

Haverford College Class of 2016 Graduates

Tembisa Astrid Omega Aborn: English major (Bryn Mawr College), with a minor in Economics; thesis title: “‘Betray Thee, Who Trayest Me’: An Examination of Gothic Convention and the Tenuousness of Villainy in Daphne du Maurier’s *Rebecca*”; hometown: Pretoria, South Africa; high school: North American International School

Luis Alejandro Acabá Berrocal: Psychology major; thesis title: “Neuroplasticity after Sexual Experience in the Nucleus Accumbens of Syrian Hamsters”; hometown: San Juan, Puerto Rico; high school: Academia Del Perpetuo Socorro

Gaines D. Adams III: Economics major, with concentration in Mathematical Economics; thesis title: “Investigating The Effect of No-Loan Policies on Higher-Education Enrollment Decisions for Low-Income Students”; hometown: Littleton, Colo.; high school: Heritage High School

Elyse Jeannine Adler: Psychology major, with minors in Fine Arts and History of Art (Bryn Mawr College); thesis title: “Introversion, Implicit Self-Theories, and the College Experience”; hometown: San Mateo, Calif.; high school: The Menlo School

Rubén de Jesus Aguilar: Chemistry major; thesis title: “Optimization of the Synthesis of Surface-Modified Gold Nanoparticles and Daphnia magna Time Studies”; hometown: Pomona, Calif.; high school: Pomona High School

Jeffrey Stephen Ainsley, Jr.: English major, with a minor in Psychology; thesis title: “A Journey in Understanding the End: An Analysis of Stream of Consciousness, Emotion, and Repetition in *The Sound and the Fury* by William Faulkner”; hometown: Philadelphia, Pa.; high school: Holy Ghost Preparatory School

James Chong Akinaka: English major, with a minor in Computer Science; thesis title: “The Last Lie She Ever Told: A Creative Thesis in English”; hometown: Honolulu, Hawaii; high school: The Punahou School

Kyle Douglas Albagli: Biology major, with a minor in Psychology; thesis title: “Genetic and Behavioral Characterization of Novel Decision-Making Genes in Zebrafish”; hometown: Clifton Park, N.Y.; high school: Shenendehowa High School

Ian Alers: Political Science major, with a minor in Spanish, and concentration in Latin American, Iberian and Latino Studies; thesis title: “Addressing Corruption and Promoting Democracy: An assessment of the CICIG and its replicability in Mexico”; hometown: Miami, Fla.; high school: Country Day School

Sabina Aliev: Chemistry major, with concentration in Biochemistry; thesis title: “Studies Toward the Synthesis of Porous Graphene-E-Stilbene 1: The Key Intermediate E-stilbene-1”; hometown: San Francisco, Calif.; high school: The French American International School

Molly Bowman Allen: Psychology major, with a minor in Neuroscience; thesis title: “The Influence of Phonetic Symbolism on Memory for Advertisements”; hometown: Slingerlands, N.Y.; high school: Academy of the Holy Names

Oluwatobi Alliyu: Anthropology major, with minors in Africana Studies and Health Studies; thesis title: “Linking Policy to Real World: Exploring Policy Objectives of HIV Program Funders in Nigeria”; hometown: Philadelphia, Pa.; high school: Central High School

Alejandra Alvarez: Spanish major, with a minor in Health Studies; thesis title: “Los peces y los pájaros: Cómo se entiende SIDA y la construcción de la identidad enferma en las novelas *Salón de belleza* por Mario Bellatin y *Pájaros de la playa* por Severo Sarduy”; hometown: San Francisco, Calif.; high school: Lick Wilmerding High School

Finn Brennan Arffmann: East Asian Languages and Cultures major, with a minor in Chinese; thesis title: “The Xianchang Aesthetic: Strengthening the Power of Chinese Queer Politics and Independent Cinema”; hometown: Chicago, Ill.; high school: Walter Payton College Preparatory School

Julianne Justine Armendariz: Religion major; thesis title: “A *Winter Count* Documents Changes in Identity”; hometown: Pomona, Calif.; high school: Garey High School

Omotolani Afolake Babatunde: Biology major, with a minor in Health Studies; thesis title: “*Characterization of Distribution of Aggregation States of α -Synuclein in Drosophila melanogaster*”; hometown: Crofton, Md.; high school: The St. Andrew's School

Marilyn Sandra Baffoe-Bonnie: Psychology major, with a minor in Health Studies, and concentration in Peace, Justice and Human Rights; thesis title: “Psychological Factors that Predict Gender and Racial Disparities in Major Health Outcomes”; hometown: Langhorne, Pa.; high school: The George School

Ryan Graham Baxter-King: Political Science and Economics double major, with a minor in Statistics; thesis titles: Thesis One: “What Do Voters Want? Social Identity vs. Rational Choice” Thesis Two: “Social Identity vs. Rational Choice: An Experimental Approach to Understanding Political Preferences”; hometown: Lexington, Mass.; high school: The Belmont Hill School

Emily Berlin: Philosophy major, with minors in Mathematics and French and Francophone Studies; thesis title: “Revision and the Realm of Actuality: Problematizing Wittgenstein’s Account of Logic”; hometown: Chandler, Ariz.; high school: Chandler High School

Isabella Bertagna: Biology major; thesis title: “Why does a mutation in *bli-5* cause blisters specifically localized to the head of *C. elegans*?”; hometown: New York, N.Y.; high school: The Riverdale Country School

Anna Catherine Bitners: Chemistry major, with a minor in Health Studies; thesis title: “Progress Towards the Total Synthesis of Ramariolides A-D: An Exploration into the Preparation of Functionalized Butenolides”; hometown: Seattle, Wash.; high school: The Bush School

Noah Benjamin Bloch: Biology major, with concentration in Biochemistry; thesis title: “ α -Synuclein Aggregation in Alternative States of Sphingolipid Metabolism in a *Caenorhabditis elegans* Model of Parkinson’s Disease”; hometown: Cherry Hill, N.J.; high school: Jack M. Barrack Hebrew Academy

Brenna Boehman: Chemistry major, with a minor in Environmental Studies and concentration in Biochemistry; thesis title: “Examining Dispersant Compounds in Samples Contaminated by the Deepwater Horizon Oil Spill”; hometown: State College, Pa.; high school: State College Area High School

María Guadalupe Bojórquez-Gómez: Political Science major, with a minor in Chinese and concentration in Peace, Justice and Human Rights; thesis title: “On the Fence of Defiance: Why Constrained States Rearm”; hometown: San Diego, Calif.; high school: Southwest High School

Kelly Boylan: Spanish major, with a minor in Psychology; thesis title: “Una institución penetrable: agencia y disidencia en comunidades de subalternos durante la Inquisición en el Nuevo Mundo (1569-1780)”; hometown: Ridgewood, N.J.; high school: Ridgewood High School

Leila Elizabeth Braun: English major, with a minor in Educational Studies; thesis title: “Empathetic Memory: Decolonizing Trauma Discourses in Sherman Alexie’s *Inside Dachau*”; hometown: Seattle, Wash.; high school: The Northwest School

Sean Paul Bray: Physics major; thesis title: “The Effect of Nucleobase Sequence on the Electrical Properties of DNA and DNA Porphyrin Complexes”; hometown: Penn Valley, Pa.; high school: The Friends Central School

Claire Olivia Brennan: Economics major, with concentration in Mathematical Economics; thesis title: “Gender Differences in Human Resource Management”; hometown: Scarsdale, N.Y.; high school: Edgemont High School

Conor Jeremiah Brennan-Burke: Economics major (Bryn Mawr College); thesis title: “Investment, Aid, and Growth in Sub-Saharan Africa”; hometown: Pittsford, N.Y.; high school: Allendale Columbia School

Joshua A. Bulos: Chemistry major, with concentration in Biochemistry; thesis title: Investigating phenolic and biaryl cross-linking in complestatin biosynthesis”; hometown: Lafayette, Calif.; high school: Acalanes High School

James Burvant: Classical Languages major; thesis title: “Rap Battle in Hades: On the Loss and Recovery of Humor in Aristophanes’ *Frogs*”; hometown: New Orleans, La.; high school: Jesuit High School

Eric Caliendo: Biology major; thesis title: “Implications of BLI-5 and NAS-37 Protein Localization in *Caenorhabditis elegans*”; hometown: Manorville, N.Y.; high school: St Anthony High School

James Anthony Campbell: Growth and Structure of Cities major (Bryn Mawr College); thesis title: “Gentrification in Point Breeze, Philadelphia: An Analysis of Discourse in Politics, Media, and the Community”; hometown: Brooklyn, N.Y.; high school: Trevor Day School

Misael Céspedes: Physics major; thesis title: “Investigating the Effects of Viscoelasticity on the Aggregation of *E. coli* in Microchannels”; hometown: Philadelphia, Pa.; high school: Father Judge High School

Pia Sri Chakraverti-Wuerthwein: History of Art (Bryn Mawr College) and Spanish double major; thesis titles: Thesis One: “Reading as Resistance: *Contraproyecto* by Carla Grandi and *La Nueva Novela* by Juan Luis Martínez as works of conceptual art against the Chilean dictatorship” Thesis Two: El contraproyecto en *Contraproyecto*: La obra de Carla Grandi dentro del contexto político y poético de la dictadura en Chile”; hometown: San Diego, Calif.; high school: Torrey Pines High School

Remmy Chen: Biology major; thesis title: “Physiology and anatomy of medullosan foliage from the Late Carboniferous Illinois Basin, U.S.A.”; hometown: Taipei, Taiwan; high school: Taipei American School

Megan Lynne Chenworth: Biology major, with a minor in Neuroscience; thesis title: “Examining Intracellular Localization of *Wolbachia* across Species of *Drosophila*”; hometown: Schnecksville, Pa.; high school: Parkland High School

Michael Chinitz: Mathematics major; thesis title: “Conformal Mappings of Airfoils”; hometown: Skokie, Ill.; high school: Niles North High School

Michael B. Classen: Economics major; thesis title: “Venture Capital: An Industry-Level Study on Investment Allocation”; hometown: Chagrin Falls, Ohio; high school: The University School

Elizabeth Sydney Cone: History major, with a minor in French and Francophone Studies; thesis title: “‘Pas un droit, mais une faveur’: Immigration, Nationalism, and Population in 1920’s France”; hometown: Greensboro, N.C.; high school: Greensboro Day School

Kimberly Catherine Conrad: Psychology major, with a minor in Educational Studies; thesis title: “You Don’t Know What You Do Know: The Curse of Knowledge in Cognition and Teaching”; hometown: Worcester, Mass.; high school: St Peter-Marian Central Catholic Junior-Senior High School

David Lawrence Cookmeyer: Chemistry major, with concentration in Biochemistry; thesis title: “Understanding T Cell Transformation as Mediated by the Potent Oncogene NPM-ALK”; hometown: Apex, N.C.; high school: Raleigh Charter High School

Matthew Kenneth Corbin: Economics major; thesis title: “An Empirical Analysis of the Impact of Broadband Access on the U.S. Multichannel Video Programming Distribution Market”; hometown: Danville, Calif.; high school: De Lasalle High School

Adriana Turpin Cvitkovic: Geology major (Bryn Mawr College); with a minor in Environmental Studies, and concentration in Peace, Justice and Human Rights; thesis title: “The Resolution Mine Project of Oak Flat, Arizona: An Analysis of Social and Environmental Impact Assessments”; hometown: Seattle, Wash.; high school: The Northwest School

Andrew Casey Dalke: Philosophy major, with a minor in Environmental Studies; thesis title: “Perception and the Revisability of Social Identity”; hometown: Portland, Ore.; high school: Lincoln High School

Neshka Dantinor: Economics major, with a minor in Computer Science (Bryn Mawr College); thesis title: “Competition and Collusion in the Smartphone Industry: Apple vs. Samsung”; hometown: Ocoee, Fla.; high school: Ocoee High School

Rachel Balenger Davies: Comparative Literature major, with concentration in Gender and Sexuality Studies; thesis title: “Illustrating Trauma: Repression and Expression in *Cruddy* and *Dear Patagonia*”; hometown: Windermere, Fla.; high school: Cypress Creek High School

Ashley B. Davis-Reed: East Asian Languages and Cultures major; thesis title: “A Look into Japan’s Lost Generation and Contesting Literary Standards: An Annotated Translation of Wataya Risa’s *Install*”; hometown: Philadelphia, Pa.; high school: Cardinal Dougherty High School

Dhario Walter DeSousa: German and German Studies and Political Science double major; thesis title: “Every Nation’s Refugee? A Comparative Analysis of Asylum Policies towards Syrians among Hungary, France, and Germany”; hometown: West Chester, Pa.; high school: West Chester Bayard Rustin High School

Jonathan Alexander DeWitt: Mathematics and Computer Science double major; thesis title: “Approximating the Permanent”; hometown: Mountain Lakes, N.J.; high school: Mountain Lakes High School

Claire Theryse Dinh: German and German Studies major; thesis title: “Tracing the Evolution of the German Language and German Prepositions through an Interdisciplinary Approach”; hometown: Walnut, Calif.; high school: Walnut High School

Jessica Louise Dixon: Chemistry major; thesis title: “Response maps as a means of approaching efficient exploratory syntheses”; hometown: Hockessin, Del.; high school: The Tower Hill School

Cody Alexander Doberstein: Biology major; thesis title: “Elucidating the mechanisms of blister localization in bli-5 mutant *Caenorhabditis elegans*”; hometown: Providence, R.I.; high school: The Moses Brown School

Jeffrey Kardas Duncan: Biology major, with a minor in Neuroscience; thesis title: “The Role of the Twin Arginine Translocation System in Outer Membrane Integrity of the Opportunistic Pathogen *Pseudomonas aeruginosa*”; hometown: Poughkeepsie, N.Y.; high school: Poughkeepsie High School

Madeleine Hope Durante: English major, with concentration in Gender and Sexuality Studies; thesis title: “Girlhood Love and Queer Sorrow in Toni Morrison’s *Sula*”; hometown: Wilmington, Del.; high school: The Tower Hill School

Rex F. Duval II: Political Science major, with a minor in Economics; thesis title: “Understanding Policy Incongruence within U.S. Interest Groups: A Case Study of the NRA”; hometown: New York, N.Y.; high school: The Trinity School

Laura Newman Eckstein: Religion major; thesis title: “On the River, On the Road: Lower Mississippi Peddlers and their Judaism, 1820–1865”; hometown: Portland, Ore.; high school: Lincoln High School

Alexander Couture Egilman: International Studies major (Bryn Mawr College), with concentration in Peace, Justice and Human Rights; thesis title: “Finding Solidarity Across Diversity: An Examination of the Transnational Networks of the Solidarity Economy Movement”; hometown: Foxboro, Mass.; high school: The Cambridge School of Weston

P. Harrison Elbert: English major; thesis title: “Tripping Up: Narrative Failure in Lisa Kron’s *Well*”; hometown: Nashville, N.C.; high school: Hume Fogg Academic High School

Alana Engelbrecht: Biology major, with a minor in Spanish; thesis title: “Investigating the role of *Drosophila melanogaster* genes *t48* and *mist* in *Anopheles gambiae* gastrulation”; hometown: Pleasantville, N.Y.; high school: Pleasantville High School

Irene Lillian Evans: Chemistry major, with concentration in Biochemistry; thesis title: “Oxidative catalysis and degradation of $\text{Fe}(\text{D}(\text{G}3\text{tren})(\text{OAc})_2$ in the presence of O_2 ”; hometown: Port Townsend, Wash.; St Michael's University School

Christian Robert Fagre: Biology major; thesis title: “Creating Photoconductive Protein-Porphyrin Nanowires from Natural and Engineered Proteins P1A and PP1K”; hometown: Wayzata, Minn.; high school: Wayzata High School

Casey Alexander Falk: Computer Science major; thesis title: “Auditing Deep Neural Networks and Other Black-box Models”; hometown: Coeur D Alene, Idaho; high school: Lake City High School

Alexander Kailash Faris: Physics major, with a minor in Astronomy; thesis title: “The Effects of Supernovae Within the Interstellar Medium”; hometown: Watertown, Mass.; high school: The Commonwealth School

Jason Michael Feinberg: Computer Science and Mathematics double major; thesis title: “k-Robust Nearest Neighbor Search and Classification”; hometown: Morganville, N.J.; high school: Marlboro High School

Helen Margaret Felker: Linguistics and Spanish double major; thesis titles: Thesis One: “Perspectives on Language Endangerment: Zapotec Community Members Navigate the Future of their Language” Thesis Two: “Voces dinámicas: Las ideologías lingüísticas personales de unos miembros de comunidades zapotecas en el siglo XXI”; hometown: Bethesda, Md.; high school: Stone Ridge Country Day School

Jessica Feng: Anthropology major, with a minor in Educational Studies; thesis title: “The Yellow Piece of the Mosaic: The Racialization of Asian American Students at the Nation’s Most Diverse High School”; hometown: Sacramento, Calif.; high school: John F Kennedy High School

Sergio Fernández Giraldo: Biology major, with a minor in Neuroscience; thesis title: “Exploring the Relationship of the Twin-Arginine Translocation Pathway, β -Lactamase, and Efflux Pumps as Factors of Antibiotic Resistance and Cross-resistance in *Pseudomonas aeruginosa* (PA14)”; hometown: Advance, N.C.; high school: Davie High School

Elizabeth Kathleen Figueroa: Spanish major (Bryn Mawr College); thesis title: “Cruces en el desierto: La representación de los femicidios en Ciudad Juárez en *The City of Dead Women, Desert Blood, Señorita Extraviada* y *2666: La parte de los crímenes*”; hometown: Washington, DC; high school: The Edmund Burke School

Grant Finn: Mathematics major, with minors in Statistics and Economics; thesis title: “Principal Component Analysis with Application in Baseball”; hometown: Escondido, Calif.; high school: Escondido High School

Marcus Dante Firmani: Computer Science major; thesis title: “Dynamic Arm Orientation Detection During Body Motion as a Computer Interface”; hometown: Mount Airy, Md.; high school: Home School

Elizabeth Simone Fishman: Biology major, with a minor in Fine Arts; thesis title: “Investigating Decision-Making in Larval Zebrafish (*Danio rerio*) Through Multi-Sensory Integration in the Startle Response Circuit”; hometown: Phoenix, Ariz.; high school: Sunnyslope High School

Caroline Elizabeth Andrea Fleet: Biology major (Bryn Mawr College), with a minor in Fine Arts; thesis title: “Ground-Dwelling Macroinvertebrate Biodiversity as a Determinant of Forest Health in Morris Woods”; hometown: Newport Beach, Calif.; high school: Orange County High School of the Arts

Amanda Ailes Fleming: Biology major, with a minor in Neuroscience; thesis title: “Deciphering the Role of the Calcium-Sensing Receptor in Decision-Making Behavior in the Zebrafish”; hometown: Wyndmoor, Pa.; high school: The William Penn Charter School

Lydia Grace Frenzel Sulyok: Chemistry major; thesis title: “(A) Toward solid-supported cyanylation of cysteine-containing proteins for high-throughput SCN labeling studies (B) Using Raman spectroscopy to determine thiol functions and thiol-mediated redox equilibria”; hometown: Center Moriches, N.Y.; high school: Westhampton Beach High School

Samuel Fujimori: Mathematics major, with a minor in Economics; thesis title: “Calculus of Variations and Optimal Control: Applications to Economics”; hometown: Shrewsbury, Mass.; high school: Bancroft School

Abby Kaplan Fullem: Geology major (Bryn Mawr College); thesis title: “Soil survey and analysis of ‘serpentinicity’ at Unionville Serpentine Barrens, Chester Co., PA. Or, Why is my serpentine barren?”; hometown: Albany, N.Y.; high school: Albany High School

Dorvil J. Gabriel: Computer Science major; thesis title: “Gesture Recognition using Electromyographic, Spatial and Temporal Input Data”; hometown: Newark, N.J.; high school: West Nottingham Academy

Sherilyn Joessa Galvez: Sociology major, with a minor in Educational Studies, and concentration in Peace, Conflict, and Social Justice (Bryn Mawr College); thesis title: “‘We Have Nothing To Lose But Our Chains’: Examining the Institutionalization of Racial ‘Diversity’, Equity and Inclusion at Haverford College through Student of Color Protest”; hometown: Stevenson, Md.; high school: St Timothy’s School

Nicholas Gandolfo-Lucia: English major; thesis title: “‘...He’s No Cynic, and He’s No Quitter:’ Reading Masculinity in Wes Anderson’s *Bottle Rocket*”; hometown: Haddon Heights, N.J.; high school: Haddon Heights High School

Sophia Woolman Gant: Comparative Literature major, with minors in Film Studies (Bryn Mawr College) and French and Francophone Studies; thesis title: “Narrative, Identity, Authorship: Reading and Watching Joan of Arc’s Martyrdom”; hometown: Chestnut Hill, Mass.; high school: Newton North High School

Franklin J. García Cruz: Biology major; thesis title: “Aggregation Characteristics of C9orf72-linked Dipeptide Repeats in vivo”; hometown: Philadelphia, Pa.; high school: Mastery Charter School: Shoemaker Campus

Andrea Gaughan: Physics and Astronomy double major; thesis title: “Graphene Supercapacitors as Environmentally Friendly Storage Devices,” Astronomy: Comprehensive Exam; hometown: Wallingford, Pa.; high school: Strath Haven High School

Sara T. Gebre: Chemistry major, with a minor in History (Bryn Mawr College); thesis title: “Characterization of Probe Group Depth Dependence in Poly-L Transmembrane Peptides Using Vibrational Spectroscopy”; hometown: Palmyra, Pa.; high school: Palmyra Area High School

Eve Gamble Gillison: English major, with a minor in Japanese, and concentration in Gender and Sexuality Studies; thesis title: “The Stoner Witch Chronicles”; hometown: Baltimore, Md.; high school: The Friends School of Baltimore

Samuel Wolfe Givertz: Comparative Literature major, with a minor in French and Francophone Studies; thesis title: “‘Ce Lieu de Déséquilibre Occulte:’ Characterizing the Postcolonial Fantastic in *La Vie et Demie* and *Midnight’s Children*”; hometown: Jamaica Plain, Mass.; high school: Boston University Academy

Kerilyn Nicole Godbe: Chemistry major, with concentration in Biochemistry; thesis title: “The Effects of Varying the Length of a Semenogelin Derived Peptide on Structure and Gelation”; hometown: Rapid City, S.D.; high school: Stevens High School

Karina Gómez: Chemistry major, with a minor in Health Studies; thesis title: “NO Reactivity with a Non-heme Iron-Nitrosyl Complex: Secondary-Coordination Sphere Effects of a Tripodal Ligand”; hometown: Anaheim, Calif.; high school: Anaheim High School

Itzél Delgado-González: Comparative Literature major, with concentration in Latin American, Iberian and Latino Studies; thesis title: “Conquest Forever? Mexico and the Circularity of Destruction in Contemporary Mexican and Borderland Texts”; hometown: New York, N.Y.; high school: Young Women's Leadership School of East Harlem

Ryan Elliott Gooding: Political Science major; thesis title: “The Digital Watchdog: Second Generation Digital Journalism and American Democracy”; hometown: Newport Beach, Calif.; high school: St Margarets Episcopal School

Christina Nicole Gould: Economics major; thesis title: “Evaluating Health Expenditure Effectiveness: Does Political Structure Play a Role?”; hometown: Sandy Hook, Conn.; high school: Academy of Our Lady of Mercy

William Hackney Greer: Physics major; thesis title: “Flux Density Calibration of Terrestrial Radio Telescopes”; hometown: New Canaan, Conn.; high school: St Georges School

Rachel Elise Grunden: Economics major; thesis title: “Educational Attainment Outcomes of Native Dane and 2nd Generation Immigrant Children”; hometown: Dover, Del.; high school: Caesar Rodney Sr High School

Brian Guggenheimer: Computer Science major; thesis title: “The Red Pen: Applying Computer Vision to Automate the Grading of Traditional Assignments”; hometown: Scarsdale, N.Y.; high school: Scarsdale High School

Thomas Keith Gundy: History major; thesis title: “COLLAGES OF REDEFINITION AND RESISTANCE: Scrapbooks, Memorial, and American Society during World War I”; hometown: Bexley, Ohio; high school: Bexley High School

Natalia Coleman Gutiérrez-Jones: Spanish and Comparative Literature double major; thesis title: “Mujeres transgresivas y voluntad femenina en las obras de María de Zayas y Aphra Behn”; hometown: Santa Barbara, Calif.; high school: Cate School

Jason Bruce Haas: Mathematics major, with a minor in Computer Science; thesis title: “Principal Component Analysis”; hometown: Santa Ana, Calif.; high school: Foothill High School

Thomas Armstrong Hafner: Economics major, with a minor in Film Studies (Bryn Mawr College); thesis title: “Determinants of Attitudes Towards Immigrants in Denmark” hometown: Edinburg, Va.; high school: Middleburg Academy

Josephine Kaden Haller: Biology major, with a minor in Neuroscience; thesis title: “Design and expression of *sgRNA* genes for CRISPR targeting of the *RSP3* gene in *Chlamydomonas reinhardtii*”; hometown: Brooklyn, N.Y.; high school: St Anns School

Kelly Anne Hancock: Biology major; thesis title: “The Application of CRISPR/Cas9 Genome Editing to target the *BLD2* locus in *Chlamydomonas reinhardtii*”; hometown: Hershey, Pa.; high school: Hershey High School

Benjamin Thomas Hart: Economics major, with concentration in Mathematical Economics; thesis title: “Post-Secondary Income Inequality in America”; hometown: Holliston, Mass.; high school: Holliston High School

George Shigeharu Hatamiya: Political Science major, with a minor in Economics; thesis title: “The Fight for Democracy: The Failure of Ukrainian Civil Society in Democratization”; hometown: Davis, Calif.; high school: Davis Senior High School

Elisabeth Grace Hawthorne: History of Art major (Bryn Mawr College); thesis title: “Our El Grecos: The Legacy of a Complex Historiography in Current El Greco Scholarship”; hometown: Wayzata, Minn.; high school: Wayzata High School

Estefanía Hecht-Tolti: Spanish major, with a minor in Peace, Justice and Human Rights; thesis title: “El archivo y las memorias del ‘allá’: La creación de la identidad en las relaciones argentino-chilenas”; hometown: Maplewood, N.J.; Columbia High School

Magdalene Samuelson Heffernan: English major; thesis title: “Elegiac Intent in Henry David Thoreau’s ‘A Week on the Concord and Merrimack Rivers’”; hometown: Newton, Mass.; high school: Newton North High School

Eden Francesca Heller: History major, with Minors in Educational Studies and Spanish (Bryn Mawr College); thesis title: “‘The Problems in Our School’: Female Authors in Spanish Journals of Education, 1922–1936”; hometown: Andover, Mass.; high school: Andover High School

Margot Perkins Henderson: Psychology major, with a minor in Fine Arts; thesis title: “Investigating Power, Well-Being, and Gender Discrepancies in Heterosexual Relationships”; hometown: Chevy Chase, Md.; high school: The Sidwell Friends School

Brandon Alexander Henken: Cognitive Science (Swarthmore College) and Linguistics double major; thesis title: “The Role of Verbal Working Memory in Syntactic Ambiguity Resolution”; hometown: Harrisburg, Pa.; high school: Central Dauphin High School

Julie Alessandra Heredia: Anthropology major; thesis title: “PODEROSXS: Cuban Woman in Hip Hop Production”; hometown: Bristol, Pa.; high school: The George School

Cora Alden Hersh: Physics major; thesis title: “Developing a Search for Sterile Neutrinos Using NuSTAR Observations of the Galactic Center”; hometown: Wellesley Hills, Mass.; Wellesley High School

Abigail Stanton Hester: Geology major (Bryn Mawr College); Comprehensive Exam; hometown: Silver Spring, Md.; high school: The Bullis School

Robyn Helene Himmelstein: Psychology major, with a minor in Neuroscience; thesis title: “Comorbidities Among Four Major Clinical Disorders”; hometown: Media, Pa.; high school: Strath Haven High School

Jason Corey Hirsch: Economics major, with a minor in Environmental Studies; thesis title: “The Impact of Corruption on FDI Inflows in Developing Oil-Rich Countries”; hometown: Newtown, Pa.; high school: The Princeton Day School

Tamar Hoffman: Political Science major, with a minor in Economics, and concentration in Peace, Justice and Human Rights; thesis title: “‘Surprise the Cynics’: Evolving Consensus on Bipartisan Criminal Justice Reform”; hometown: Haifa, Israel; high school: Walworth Barbour Ais Israel

Jeffrey Linyun Hong: Chemistry major, with a minor in Economics; thesis title: “Efficient Green Synthesis of 2D Graphene Nanosheets”; hometown: Naperville, Ill.; high school: Neuqua Valley High School

Daniel Peterson Hopkins: Computer Science major; thesis title: “Phrase-Structure Rules in Extractive Text Summarization”; hometown: Clinton, N.Y.; high school: Clinton Senior High School

Haoyang Hu: Economics major; thesis title: “Investigating the Effect of Stock Split on Short-Term Stock Returns: The Case for Chinese Shanghai Stock Market”; hometown: Surrey, BC, Canada; high school: Semiahmoo Secondary School

Honglan Huang: Comparative Literature major, with a minor in Classical Culture and Society; thesis title: “The Narrativity of the Medium: the Architecture of Book Space in Picture Books”; hometown: Beijing, China; high school: Qingdao No. 2 Middle School

Rachel Hausman James: English major, with a minor in French and Francophone Studies; thesis title: “Bodies In-Between: Place and Fluid Identity in Michelle Cliff’s No Telephone to Heaven”; hometown: Blacksburg, Va.; high school: Blacksburg High School

Luke Jensen: Philosophy major; thesis title: “Perceptible Value: Toward a Weak Realist Account of Moral Properties”; hometown: Flushing, N.Y.; high school: Bard High School Early College- Queens

Cora Amabel Johnson-Grau: English major; thesis title: “‘(O Miss Geneva, where are you now?):’ Recursion and Space in Terrance Hayes’s ‘Cocktails with Orpheus’ and H.D.’s ‘Eurydice’”; hometown: Los Angeles, Calif.; high school: Los Angeles Center for Enriched Studies

Raeven Alexandra Jones-Kelley: Linguistics major; thesis title: “Linguistic Discrimination: Examining Biases Against African American English”; hometown: Waukegan, Ill.; high school: Waukegan High School

Ty Éireann Joplin: Political Science major, with a minor in Philosophy; thesis title: “Doing the Right Thing: Investigating How Individuals Radicalize”; hometown: Cypress, Texas; high school: Cypress Woods High School

Dylan Ellis Kahn: History of Art major (Bryn Mawr College), with a minor in French and Francophone Studies, and concentration in Gender and Sexuality Studies; thesis title: “Picturing Masculine Death:

John Singer Sargent, Miss M. Carey Thomas, and the New Woman”; hometown: Erie, Colo.; high school: Boulder High School

Samuel Kane: Economics major; thesis title: “Betting in Baseball: Is the Run-Line Market Efficient?”; hometown: Rockville, Md.; high school: Rockville High School

Jee Soo Kang: Anthropology major, with a minor in Educational Studies; thesis title: “Self Making Through Hybridized Cultural Citizenship: Diasporic Korean American College Students and Their Engagement with Korean Popular Media”; hometown: Cerritos, Calif.; high school: Cerritos High School

Ann Eilis Kelly: Spanish major, with a minor in Educational Studies; thesis title: “La Educación Popular: implementación en el Movimiento de Trabajadores Rurales Sin Tierra y el Ejército Zapatista de Liberación Nacional”; hometown: Brunswick, Maine; high school: Brunswick High School

Jeanna Helen Kenney: Economics major, with concentration in Mathematical Economics; thesis title: “Neighborhoodly Competition in Real Estate Transactions”; hometown: Wallingford, Pa.; high school: Strath Haven High School

Ashkan Khayami: Political Science major; thesis title: “Revolutionaries at War: Factional Politics in the Post-Revolutionary Moment”; hometown: Irvine, Calif.; high school: The Sage Hill School

Maryna Khromava: Chemistry major, with concentration in Biochemistry; thesis title: “Investigating Dynamic Protein-protein Binding Interactions in the Hendra Virus NTAIL-XD Complex using the Cyanylated Cysteine Vibrational Probe”; hometown: Brooklyn, N.Y.; high school: James Madison High School

Renee Nicole King: Chemistry major, with a minor in Health Studies, and concentration in Biochemistry; thesis title: “Investigating Dynamic Protein-Protein Binding Interactions in the Nipah Virus Ntail-XD Complexes using the Cyanylated Cysteine Vibrational Probe”; hometown: Elmont, N.Y.; high school: Elmont Memorial Jr-Sr High School

Peter Nicholas Kondelis: Growth and Structure of Cities (Bryn Mawr College); thesis title: “Elite Suburbs and their Social Reproduction: Transportation, Education and Association in the Philadelphia Main Line and the Chicago North Shore”; hometown: Northfield, Ill.; high school: New Trier Township High School

Daniel M. Konstantinovsky: Chemistry major, with concentration in Biochemistry; thesis title: “Characterizing the Structural Distribution of Lipid-Bound Alpha-Synuclein by Site-Specific Thiocyanate Infrared Probe Groups and Molecular Dynamics Simulations”; hometown: Tenafly, N.J.; high school: Tenafly High School

John Kevin Kouakam: Mathematics major, with a minor in Spanish and concentration in Africana Studies; thesis title: “Investigating the relationship between the Signature, and the Unknotting number of a knot”; hometown: Gaithersburg, Md.; high school: Gaithersburg High School

Benjamin Pierce Krieger: Biology major; thesis title: “The structural and genetic foundations of blister development in bli-5 mutants”; hometown: Philadelphia, Pa.; high school: The William Penn Charter School

Mariya Ann Krutkova: International Studies (Bryn Mawr College), and German and German Studies double major, with a minor in Psychology; thesis title: “Between Hospitality and Hostility: Understanding Shifts in German Immigration Policy”; hometown: Cincinnati, Ohio; high school: Walnut Hills High School

Rrap Kryeziu: Political Science major; thesis title: “Divergent Responses to a Shared Past: Transitional Justice Choice Formation in the Post-Armed-Conflict States of Croatia and Serbia”; hometown: Oak Park, Ill.; high school: Oak Park & River Forest High School

Nicolas Maximilian Kyriakoglou: Political Science major; thesis title: “Germany’s Changing Role in the European Union: From the ‘No Bail-out Clause’ to the Greek Aid Packages and the Reformation of European Institutions”; hometown: Themi, Greece; high school: Deutsche Schule Thessaloniki

Alexander Ethan Lafrance: Biology major, with a minor in Psychology; thesis title: “Disrupting the Small Subunit of the Ribulose 1,5-Bisphosphate Carboxylase Oxygenase Complex in *Chlamydomonas reinhardtii* via the CRISPR-Cas9 Genomic Modification System”; hometown: Granville, Mass.; high school: The Loomis-Chaffee School

Alexandra Joan Lamacki: Chemistry major, with a minor in Health Studies, and concentration in Biochemistry; thesis title: “Design of Novel RNA Polymerase Inhibitors: Synthetic Efforts on a Myxopyronin-Ripostatin Hybrid with a Coumarin Core”; hometown: River Forest, Ill.; high school: Trinity High School

Katherine Hyojin Lee: Biology major; thesis title: “Investigating the role of the twin-arginine transport system in antibiotic resistance, cross resistance, and β -lactamase secretion and activity in *Pseudomonas aeruginosa* 14”; hometown: Sacramento, Calif.; high school: Mira Loma High School

Kayoung Lee: Economics major, with a minor in Sociology; thesis title: “Choosing to Work: The Impact of Gender Role Attitudes on Female Labor Force Participation in South Korea”; hometown: Seongham-Si. South Korea; high school: Seoul International School

Rebecca Michelle Lewinsohn: Biology major, with a minor in Health Studies; thesis title: “Examining Haplotype Diversity and Wolbachia Infection Status of a Local *Drosophila suzukii* Population”; hometown: Portland, Ore.; high school: Lincoln High School

Yanxi Li: Economics major, with a minor in Statistics; thesis title: “FDI, Ownership Structure, and Innovation: Evidence from China”; hometown: Beijing, China; high school: Shenzhen Middle School

Jessica Hayden Libow: English major, with a minor in Child and Family Studies (Bryn Mawr College); thesis title: “Prosthesis Repurposed in Flannery O’Connor’s ‘Good Country People’ and ‘The Lame Shall Enter First’”; hometown: Washington, DC; high school: The Maret School

Ava Janina M. Lichauco: Mathematics major, with concentration in Mathematical Economics; thesis title: “Understanding Elections through Representation Theory”; hometown: Bayonne, N.J.; high school: Bayonne High School

Jacob S. Lichtenbaum: Spanish major, with concentration in Latin American, Iberian and Latino Studies; thesis title: “Corridos De Alto Poder: Un Análisis del Propósito, Efecto, y Atractivo del Movimiento Alterado”; hometown: Mclean, Va.; high school: The Potomac School

Tiancheng Liu: Mathematics major, with minors in Statistics, Economics, and Computer Science; thesis title: “Time Series Analysis With ARMA Models on a Yelp.com Dataset”; hometown: Nanjing, China; high school: Nanjing Foreign Language School

Stefanos George Logothetis: Physics major, with a minor in Mathematics; thesis title: “The Effect of Relative Humidity on the Conduction of DNA and DNA-Porphyrin Nanowires”; hometown: Skillman, N.J.; high school: Montgomery High School

Lindsey Etelvina Lopes: Biology major, with a minor in Neuroscience; thesis title: “Investigating the Role of the Stress Response in Decision-Making using Larval Zebrafish”; hometown: Fairfield, Conn.; high school: Fairfield Warde High School

Alesia Ashley Lujan-Hernandez: Political Science major, with a minor in Chinese, and concentration in Peace, Justice and Human Rights; thesis title: “Is Decentralization at Odds with Democracy?: The Implications of Decentralization in the Democratization Process of Developing Countries”; hometown: Austin, Texas; high school: St Stephens Episcopal School

Emma Wai Kwun Wan Lumeij: English major; thesis title: “Jonkonnu Masks in Sylvia Wynter’s *Maskerade* (1973)”; hometown: New York, N.Y.; high school: Bard High School Early College

Marcus Ian Luxemburg: Biology major; thesis title: “Expression *in vivo* of the Type II CRISPR nuclease Cas9 in *Chlamydomonas reinhardtii*”; hometown: South Windsor, Conn; high school: South Windsor High School

Sarah Myles Madigan: English major, with a minor in French and Francophone Studies; thesis title: “Ah, the Reader Would Take the Narrative Beyond: Disengaging from the Narrator in Edith Wharton’s *The House of Mirth*”; hometown: Hastings-on-Hudson, N.Y.; high school: Hastings High School

Nyrah Dinyar Madon: Psychology major, with a minor in Creative Writing (Bryn Mawr College); thesis title: “The Effects of the Extraversion-Introversion Trait and Implicit Self-Theories on Social Adjustment and Classroom Participation in College”; hometown: Mumbai, India; high school: Cathedral & John Connon School

Grace Marie Mangigian: Psychology major; thesis title: “What’s in a Brand Name? The Effect of Phonetic Symbolism on Memory”; hometown: Ann Arbor, Mich.; high school: The Greenhills School

Zuzana Manhartová: Mathematics (Bryn Mawr College) and Economics double major; thesis titles: Thesis One: “Financial Modelling with Stock Market Data” Thesis Two: “The Effects of Oil Price Changes on the Chinese Exchange Rate”; hometown: Otice, Czech Republic; high school: Slavonic High School

Laura Anne Marino: Psychology major, with a minor in Health Studies; thesis title: “Reciprocity and Mutuality of Social Support Across Cultures”; hometown: Maplewood, N.J.; high school: Columbia High School

Charles Allen Marquardt: Biology major, with a minor in Environmental Studies; thesis title: “The Evolution of the Extinct Seed Plant Cordaites: A Physiological Perspective”; hometown: Pasadena, Calif.; high school: Loyola High School

Alison Anthony Mottley Marqusee: Religion major, with a minor in Astronomy; thesis title: “Negotiating Hindu Identities in the United States: Diaspora, Geography, and Sacred Authenticity”; hometown: Northampton, Mass.; high school: Lexington High School

Allison Marie Martin: Physics major, with a minor in Health Studies; thesis title: “Human Biomechanics: Jumping and Running”; hometown: Westerville, Ohio; high school: Columbus Academy

Geoffrey Christopher Martin-Noble: Computer Science and Chemistry double major, with concentration in Scientific Computing; thesis title: “Optimizing a Machine Learning System for Materials Discovery”; high school: Seattle, Wash.; high school: The Lakeside School

Zachary Thomas Mason: English major, with a minor in Sociology; thesis title: “The Harlem Renaissance’s Bitter Fruit: Inescapable Intra-racial Prejudice and Metaphorical Death in Wallace Thurman’s *The Blacker the Berry*”; hometown: Atlanta, Ga.; high school: Marist School

Samuel Eli Mathenia: English major, with a minor in Classical Culture and Society, and concentration in Gender and Sexuality Studies; thesis title: “‘Launcelot sholde love hir and sche hym agayne’: The Erotic Triangle and Doomed Chivalry in Malory’s *Le Morte Darthur*”; hometown: Arlington, Texas; high school: Summit International School

Zoë Louise McAlear: Growth and Structure of Cities major (Bryn Mawr College); thesis title: “Creating Green in the City: the Intersection of ‘Nature’ and Urban Planning in the Metropolitan Region of Valparaíso”; hometown: Ithaca, N.Y.; high school: Ithaca High School

Calen McGee: Anthropology major, with concentration in Africana Studies; thesis title: “It’s an Honor and Pleasure, I Treasure being the voice of the Children of the Lesser: A glimpse into Hip Hop as an agency of political and communal involvement and how Kendrick Lamar’s *To Pimp A Butterfly* defies the Hip Hop standard”; hometown: Saint Albans, N.Y.; high school: Elisabeth Irwin High School

Phoebe Wadsworth Miller: Spanish major; thesis title: “Animalismo vs nacionalismo: cómo el rechazo de narrativas de domi(nación) muestra un repensamiento de la corrida de toros”; hometown: West Grove, Pa.; high school: The Westtown School

John Thomas Miraglia: Philosophy major, with a minor in Psychology; thesis title: “The Potential Primacy of Spirit: A Reinterpretation of Plato’s Model of the Soul”; hometown: Wilmington, Del.; high school: The Wilmington Friends School

Kayla Montaque: Psychology major, with a minor in Gender and Sexuality Studies; thesis title: “Gender-Identity & Gender-Ideology Discrepancies In Same-Sex Relationships”; hometown: Bronx, N.Y.; high school: De Witt Clinton High School

Michael Patrick Moraskie Alvarez-Tabío: Biology major, with a minor in English (Bryn Mawr College); thesis title: “Searching for Natural Competitors of *Wolbachia* in *D. sukii* Flies”; hometown: Guaynabo, Puerto Rico; high school: The Baldwin School of Puerto Rico

Lauren Morse: Biology (Bryn Mawr College), with a minor in Fine Arts; thesis title: “Exploring the interactions between microbial communities, soil chemistry, and plant ecotype in their effects on the growth of grasses in heavy metal soils”; hometown: Salt Lake City, Utah; high school: Skyline High School

Clarianne Moscoso-Torres: Psychology major, with a minor in Neuroscience; thesis title: “Body Image Discrepancies: The Role of Culture as Moderator”; hometown: San Juan, Puerto Rico; high school: The Caribbean Preparatory School

Sarah Michelle Moses: Film and Media Studies major (Swarthmore College); Short Film entitled *Southeast by Southeast*; hometown: Hatfield, Pa.; high school: Pennridge High School

Damon Charles Motz-Storey: Mathematics major, with a minor in Music, and concentration in Educational Studies (Bryn Mawr College); thesis title: “Constructing Hyperbolic Polygon Tessellations & The Fundamental Group of Their Surfaces”; hometown: Evergreen, Colo.; high school: home school

Paul Eugene Mundell: Physics major; thesis title: “Raptor Kinematics: A Comparative Study”; hometown: Bodega, Calif.; high school: Analy High School

Isabella Benter Muratore: Biology major, with a minor in French and Francophone Studies; thesis title: “Consistently Minimal Insect Herbivory in the Pennsylvanian: Insight into the Dietary Evolution of Insects”; hometown: Huntington, N.Y.; high school: Portledge School

Jack William Murrel: Economics major; thesis title: “Real Estate and Monetary Policy: The Varying Response of Housing Markets and Commercial Property Markets to Expansionary Monetary Policy Shocks”; hometown: Newport Beach, Calif.; high school: Newport Harbor High School

Nina S. Mutty: Economics major; thesis title: “Motivating Risk, Effort and Creativity: Effects of Financial Losses and Gains”; hometown: Bainbridge Is, Wash.; high school: Bainbridge High School

Christopher Hastings Nagele: Physics and Astronomy double major; thesis title: “Predicting Alfvén Radius for Simple Magnetic Geometries” Astronomy: Comprehensive Exam; hometown: Elkins Park, Pa.; high school: Cheltenham Township High School

Walid James Young Nashashibi: Economics major, with concentration in Mathematical Economics; thesis title: “Supporting the Whiteliner: Differences in the Probability of being fined in the NFL by Race, 2010–2014”; hometown: Bethesda, Md.; high school: The Washington International School

Shahzeen Nasim: English major; thesis title: “James Baldwin’s ‘flesh and blood’ in *No Name in the Street*”; hometown: New York, N.Y.; high school: California High School

Iliana Navarro: Spanish major, with a minor in Political Science (Bryn Mawr College) and concentration in Iberian and Latino Studies; thesis title: “La revolución en Prisión verde: La representación de la familia como metáfora del cambio social”; hometown: Anaheim, Calif.; high school: Katella High School

Saadia Nawal: Chemistry major, with a minor in Health Studies, and concentration in Biochemistry; thesis title: “The Biochemical and Biophysical Characterization of E. coli and Actinorhodin Acyl Carrier Proteins”; hometown: Lorton, Va.; high school: Hayfield Secondary School

Alyce Franchesca Nazario: International Studies major (Bryn Mawr College) with a minor in Chinese; thesis title: “The Chinese Scapegoat: The American Media’s Inadequate Portrayal of China’s Rise”; hometown: Hightstown, N.J.; high school: The Peddie School

Philip Wyatt Nega: Chemistry major; thesis title: “A Statistics-Driven Approach to Materials Discovery”; hometown: Chevy Chase, Md.; high school: Bethesda Chevy Chase High School

Anh Phuong Nguyen: Computer Science major, with a minor in Japanese; thesis title: “Phonological Planning in a Computational Model of Bilingual Aphasia”; hometown: Market Harborough, United Kingdom; high school: Brooke House College

Tiffany Phan Nguyen: Political Science major; thesis title: “Global Financial Regulation: Inadequacies since Bretton Woods and Post-2008”; hometown: Blue Bell, Pa.; high school: Germantown Academy

James Matthew Novak: Political Science major, with a minor in Chinese; thesis title: “Right to Rule: Legitimacy and Popular Will in Contemporary China”; hometown: Durham, N.C.; high school: The Durham Academy Upper School

Rina Bideri Ntagozera: International Studies major (Bryn Mawr College) with concentration in Peace, Justice and Human Rights; thesis title: “Cracks in the Wall: An Analysis on the Empowerment and Advancement of Women in African Politics”; hometown: Kigali, Rwanda; high school: Lycee de Kigali

Bekezhan Nurkhaidarov: Mathematics major, with a minor in Economics; thesis title: “Network Synthesis For Non-Simultaneous Requirements”; hometown: Astana, Kazakhstan; high school: QSI International School of Astana

Dylan Potter O’Connell: Mathematics major, with a minor in Economics and concentration in Computer Science; thesis title: “A Constructive Approach to the Riemann Mapping using Circle Packings”; hometown: Chestnut Hill, Mass.; high school: The Commonwealth School

Harry Abraham Okun: Computer Science major, with a minor in Psychology; thesis title: “O(n) First-Order Queries on Graph Classes with Bounded Expansion”; hometown: Short Hills, N.J.; high school: Morristown-Beard School

Nicholas James O’Mara: Political Science major; hometown: New York, N.Y.; high school: The Riverdale Country School

George Bertram Ordiway: Biology and Music double major; thesis titles: Thesis One “Evaluating Zebrafish Pitch Perception via Acoustic Startle Response” Thesis Two “Whispers of Hiraeth”; hometown: Palm Harbor, Fla.; high school: Berkeley Preparatory School

Angélica Ortiz Anguiano: Fine Arts major; thesis title: “‘Untitled’ A Series of Large Pastel Drawings Centered Around the Concept of Home”; hometown: Palo Alto, Calif.; high school: The Castilleja School

Nicholas Alexander Ott: Spanish major, with a minor in Chemistry; thesis title: “Una familia dividida: el impacto de la revolución cubana y el éxodo en la novela *Dreaming in Cuban* de Cristina García”; hometown: Naples, Fla.; high school: Community School of Naples

Kelsey Danielle Owyang: Sociology major, with a minor in Chinese; thesis title: “Asian American Educational Experiences and the Malleable Persistence of Orientalism”; hometown: Saratoga, Calif.; high school: Saratoga High School

Emily Miriam Dove Ozer: Psychology major, with a minor in Neuroscience; thesis title: “Motivation, Construal, and the Temporal Span of the Present”; hometown: Wilmington, Del.; high school: Mount Pleasant High School

Michelle Susan Parris: Psychology major; thesis title: “Motivation, Construal, and the Temporal Span of the Present”; hometown: Scituate, Mass.; high school: Scituate High School

Robert Charles Parry: Chemistry major, with concentration in Biochemistry; thesis title: “Exploring the Kinetics of Aggregation of a Semenogelin I-Derived Peptide Hydrogel”; hometown: Gibbsboro, N.J.; high school: Eastern Senior High School

Neal Patel: Chemistry major; thesis title: “Crystallization and Thermodynamic Binding Studies of Calmodulin-Target Complexes”; hometown: Berwyn, Pa.; high school: Conestoga High School

Jesse Kendall Pazdera: Psychology and Computer Science double major; thesis title: “Computational Modeling of Musical Enculturation: An Investigation of Multicultural Music Learning Using Self-Organizing Maps”; hometown: Yardley, Pa.; high school: The Hun School of Princeton

Miriam Rose Perez-Putnam: French and Francophone Studies major, with concentration in Middle Eastern and Islamic Studies; thesis title: “‘Revendiquer notre authenticité’: Asserting Authenticity in French Rap”; hometown: Concord, Mass.; high school: Concord Academy

Juliana Maureen Petersen: Psychology major, with a minor in East Asian Languages and Cultures; thesis title: "Psychological Distress, Power, Relationship Quality, and Attachment in Romantic Relationships"; hometown: Summit, N.J.; high school: Summit High School

Daniel Hoagberg Plesniak: Linguistics major; thesis title: "The Mandarin Chinese 'de' as a Type Nominal Proform: A Syntax-Semantics Approach"; hometown: Accokeek, Md.; high school: The Sidwell Friends School

May Helena Plumb: Linguistics major, with minors in Mathematics and Spanish; thesis title: "Conjunction in Colonial Valley Zapotec"; hometown: Nobleboro, Maine; high school: Lincoln Academy

Katherine Grace Poje: Religion major; thesis title: "'The Greatest Woman in History Since the Mother of God': Global Catholic Community in Contemporary Efforts to Canonize Isabel of Castile"; hometown: Glen Cove, N.Y.; high school: Our Lady of Mercy Academy

Joshua S. Price: Political Science major; thesis title: "The Digital Single Market: How the EU is Transitioning into the Era of Digital Globalization"; hometown: Chevy Chase, Md.; high school: Bethesda Chevy Chase High School

Jeanne Marie Quinn: Biology major, with minors in Dance (Bryn Mawr College) and Chemistry; thesis title: "The effect of repeat sequence and differential tissue expression on protein aggregation in *Drosophila melanogaster* C9orf72 models"; hometown: Columbia, Mo.; high school: Columbia-Rock Bridge Sr High School

Deana Rose Rauh: Biology major; thesis title: "A Stomatal-Eye-View of the Physiology and Evolution of the Extinct Plant *Sphenophyllum*"; hometown: Lincroft, N.J.; high school: Biotechnology High School

Dipaali Aragonda Reddy: Economics and International Studies (Bryn Mawr College) double major; thesis title: "'It's a Business Doing Pleasure with You': A Case for the Decriminalization of Sex Work in South Africa"; hometown: Claremont, Calif.; high school: Claremont High School

Nathaniel Rehm-Daly: Fine Arts and Classical Culture and Society double major; thesis titles: Thesis One "Original Sculpture entitled Current" Thesis Two "Framing Classical Objects through Comic Book Theory"; hometown: Mount Hermon, Mass.; high school: Northfield Mount Hermon School

Dylan Samuel Reichman: Political Science major, with a minor in Philosophy; thesis title: "Affect and the Individual Post-9/11: Societies of Control, Spinoza, and the Homeland Security Advisory System"; hometown: Maplewood, N.J.; high school: Columbia High School

David John Reilley: Chemistry major, with concentration in Scientific Computing; thesis title: "A Computational Study of the Stereospecificity of the Lubell Method for the Synthesis of Azabicycloalkane Amino Acids"; hometown: Limestone, Maine; high school: Maine School Science & Math

Sara Rennert: English major, with a minor in Music; thesis title: “Gendered Undoing Through Music in James Joyce’s ‘The Dead’”; hometown: Tarrytown, N.Y.; high school: Sleepy Hollow High School

Sadie Resnick: Russian major (Bryn Mawr College); hometown: New York, N.Y.; high school: The Fieldston School

Anthony J. Reyes: Economics major; thesis title: “Determinants of Solar Energy Generation in the Commercial, Industrial and Utility Sectors of the United States”; hometown: Breezy Point, N.Y.; high school: The Polytech Prep Country Day School

Elise Anna Riley: Linguistics major; thesis title: “Language Revitalization Practices in Indigenous Communities of the U.S.”; hometown: Newtown, Pa.; high school: The George School

William Carl Ristow: History major; thesis title: “Concealed Criticism: The Uses of History in Anglo-Norman Literature, 1130–1210”; hometown: Indianapolis, Ind.; high school: North Central High School

Luis Miguel Rivas: Music major, with a minor in Chemistry; Performance of Songs by Purcell, Donizetti, Fauré, Brahms, Vaughan Williams, Beethoven, Poulenc, Persichetti, Schumann, and Obradors; hometown: Chicago, Ill.; high school: St Patrick High School

Anne Elizabeth Roca: Growth and Structure of Cities major (Bryn Mawr College); thesis title: “Modern Design on American Campuses from the 1930s to the 1950s: A Study of Postwar Dormitories”; hometown: Madrid, Spain; high school: Lycee Francais de Madrid

Carman Romano: Classical Languages major; thesis title: “Wandering Demeter, Persephone Descending: Manipulations of Physical and Figurative Geography in the Demeter-Persephone Myth”; hometown: Mullica Hill, N.J.; high school: Clearview Regional High School

Kristina Wilson Rothchild: Chemistry major; thesis title: “A Search for New Sources of Taxanes in Conifers and Insight into the Evolution of the Taxane Biosynthetic Pathway”; hometown: Mansfield, Mass.; high school: Mansfield High School

Kathryn Lee Gilbert Rowlett: Chemistry major, with a minor in Environmental Studies, and concentration in Biochemistry; thesis title: “Persistence and Bioavailability of DDT in an Estuarine Environment”; hometown: Greensboro, N.C.; high school: Greensboro Day School

Blair Rush: Computer Science major, with a minor in Philosophy; thesis title: “Pipelined Parallelogram Tiling and Loop Restructuring Using Chapel Iterators”; hometown: Gurnee, Ill.; high school: Warren Township High School

Gabriel Lev Rybeck: Computer Science and Economics double major, with concentration in Mathematical Economics; thesis title: “Indirect Discrimination in the Age of Big Data”; hometown: Rockville, Md.; high school: Richard Montgomery High School

Miji Ryu: Growth and Structure of Cities major (Bryn Mawr College), with a minor in Fine Arts; thesis title: “The Right to a Place: Stories of Korean Elders Living in Flushing, Queens, New York”; hometown: Saint Davids, Pa.; high school: The Agnes Irwin School

Erick Arnoldo Santay: Religion major, with minors in Political Science (Bryn Mawr College) and Spanish; thesis title: “I Am Who They Want Me to Be: The Extent Portrayals of Moses in Film Document the Fragmentation of Institutionalized Religion in the United States”; hometown: Los Angeles, Calif.; high school: New Covenant Academy

Adela Scharff: Psychology major, with a minor in Linguistics; thesis title: “Multiracial Identity Development: the Effects of Ego Development and Social Networks, and Consequences for Well-being”; hometown: Bedford, Mass.; high school: Bedford High School

Harrison Shawler Schell: Physics major; thesis title: “Selective Attachment of Oligonucleotides to Interdigitated Gold Electrodes”; hometown: Media, Pa.; high school: The Westtown School

Brady James Seitz: Economics major; thesis title: “Tax Migration: Tax Rate Effects on Free Agent Skill Level in the NBA”; hometown: Del Mar, Calif.; high school: Canyon Crest Academy

Colin E. Seitz: Economics major; thesis title: “Determinants of Microfinance performance sensitivity to business cycle fluctuations”; hometown: Del Mar, Calif.; high school: Canyon Crest Academy

Hunter R. Sentner: Political Science major; thesis title: “A Singular Court: the Reshaping and Reimagining of Justice in Red Hook”; hometown: Port Washington, N.Y.; high school: St Anthony High School

Joshua Evan Serota: Computer Science and Mathematics double major; thesis title: “Real Quantifier Elimination”; hometown: Saint Louis, Mo.; high school: The Thomas Jefferson School

Divya Shiv: English and Psychology double major; thesis titles: Thesis One “The Embodied God of Small Things” Thesis Two “Cultural Differences in Reciprocal and Mutual Social Support”; hometown: Stanford, Calif.; high school: Henry M Gunn Sr High School

Andrew George Shook: Economics major; thesis title: “The Determinants of Forced Manager Turnovers in Major League Soccer”; hometown: Kingston upon Thames, United Kingdom; high school: Hampton School

David Kader Sidibe: Psychology major, with a minor in Neuroscience; thesis title: “Molecular Mechanisms Underlying Sexual Experience-Dependent Neuroplasticity of the Nucleus Accumbens in Syrian Hamsters”; hometown: Bethesda, Md.; high school: Walter Johnson High School

Bethany April Simmonds: Psychology major; thesis title: “The Influences of Extraversion and the Implicit Theories on Classroom Participation and the Adjustment to College Life”; hometown: Cornwall Bridge, Conn.; The Westover School

Brandon Peter Smith: Computer Science major; thesis title: “Auditing Deep Neural Networks to Understand Recidivism Prediction”; hometown: Baltimore, Md.; high school: The Gilman School

Stephen Sommer Stein: Physics major, with concentration in Biophysics; thesis title: “Kinematic Profile of Takeoff and Early Flight Maneuvering in Birds of Prey”; hometown: Kentfield, Calif.; high school: Marin Academy

Jeremy Benjamin Steinberg: Religion major, with a minor in Classical Culture and Society; thesis title: “Here is a people that dwells alone, and that does not consider itself among the nations’: Balaam ben Beor and the National Boundaries of Ancient Israel”; hometown: Bethesda, Md.; high school: Walt Whitman High School

Henry J. Stevens: Economics major; thesis title: “Insider Holdings and Open-Market Share Repurchases in Corporate America”; hometown: Bronx, N.Y.; high school: The Riverdale Country School

Jennifer Ellen Straus: Anthropology major; thesis title: “Students and Teachers, Inmates and Staff: Shifting Positionalities in Jail GED Classrooms”; hometown: Richmond, Va.; high school: The Governors School of Government & Int'l Studies

Rebecca Reiko Suzuki: Psychology major, with a minor in German and German Studies; thesis title: “This IS Who I Am’: The Influence of Social Context and Ego Development on the Racial Identity Choice of Multiracial Young Adults and the Implications for Well-being”; hometown: Littleton, Colo.; high school: Chatfield Senior High School

Charles Andrew Szczurek: Physics major, with a minor in Mathematics; thesis title: “Developing a model of Si(Li) detector fabrication for the GAPS dark matter experiment”; hometown: Neuilly-sur-Seine, France; high school: Ecole Active Bilingue Jeannine Manuel

Julie Quynh Tram Ta: Computer Science major; thesis title: “Viability of Using the Leap Motion Controller in an Indirect Interaction Physical Rehabilitation Activity as an Alternative to a Direct Interaction Activity”; hometown: Upper Darby, Pa.; high school: Upper Darby High School

Kristin Lynne Tatum: Biology major, with a minor in Computer Science; thesis title: “Purification of Cas9 protein for *in vitro* assembly of CRISPR complexes”; hometown: Salt Lake City, Utah; high school: Skyline High School

Sara Marie Tauriello: Psychology major; thesis title: “Body Image Discrepancy: The Role of Culture as a Moderator”; hometown: Elma, N.Y.; high school: Iroquois Central High School

Winful Allan Taylor: Economics major; thesis title: “Morphing Pressure into Success or Failure”; hometown: Accra, Ghana; high school: Tema International School

Zachary Nicholas Taylor: Economics major; thesis title: “An Analysis of the Effects of Long-Term Contracts on Performance in Major League Baseball”; hometown: Vista, Calif.; high school: Vista High School

Mikhail John Sasner Terman: Psychology major; thesis title: “Group Dynamics, Religious Group Relations and Terror Management Theory”; hometown: Falls Church, Va.; high school: George Mason High School

Baptiste Teyssier: Philosophy major; thesis title: “Having a Good Laugh: The Virtue of Having a Sense of Humor”; hometown: Ville D Avray, France; high school: Lycee Notre Dame du Grandchamp

Alana Marie Thurston: Chemistry major, with a minor in Environmental Studies, and concentration in Biochemistry; thesis title: “Exploring Lipid Profiles of Marine Fungi”; hometown: Somerville, Mass.; high school: Prospect Hill Academy

John Christopher Thygesen: Psychology major; thesis title: “Sex Experience-induced Neuroplasticity in the Nucleus Accumbens in Syrian Hamsters”; hometown: Indianapolis, Ind.; high school: Park-Tudor School

Candace Marie Todd: Biology major, with a minor in Psychology; thesis title: “The role of the twin-arginine transport system in the development of cross-resistance and the activity of beta-lactamases in *Pseudomonas aeruginosa K*”; hometown: Williamstown, N.J.; high school: Williamstown High School

Kathleen Julia Su-Chen Tsai: Chemistry major, with a minor in Educational Studies, and concentration in Biochemistry; thesis title: “Understanding Protein-Protein Interactions of Carrier Proteins Using an Infrared Active Thiocyanate Probe”; hometown: Merion Sta, Pa.; high school: Lower Merion High School

James Bentley Ulrich: Political Science major, with a minor in Economics; thesis title: “Africa and China as Development Partners: A comparative analysis of African approaches to capitalizing on China’s thirst for natural resources”; hometown: Narberth, Pa.; high school: The Friends Central School

Ramelcy Uribe: Sociology major (Bryn Mawr College); thesis title: “Community Collaboration That Speaks and Acts: Education in Our Barrios Research Project in Philadelphia”; hometown: Bronx, N.Y.; high school: St Jean Baptiste High School

Hector Ricardo Uriostegui: Computer Science major; thesis title: “Automatic Emotion Detection Technology for Autism Therapy”; hometown: Waukegan, Ill.; high school: Waukegan High School

Csilla Krisztina Vámos: Growth and Structure of Cities major (Bryn Mawr College), with concentration in Latin American, Iberian and Latino Studies; thesis title: “Rush Hour in Rio: How the Development of Transportation for the 2016 Olympics is Affecting the City”; hometown: Amherst, N.H.; high school: Souhegan High School

Cecily Flora van Buren-Freedman: English major; thesis title: “Seeing the Circle: Rethinking Witness in the Neo-Slave Narrative Genre Through Marlon James’s ‘The Book of Night Women’”; hometown: New York, N.Y.; high school: The Brearley School

Harrison Gray Van der Kloot: Psychology major, with a minor in Neuroscience; thesis title: “Neuroplasticity of Δ FosB following Sexual Experience in the Nucleus Accumbens of Syrian Hamsters”; hometown: Falmouth, Maine; high school: Falmouth High School

Joaquin Neuffer Vargas: Anthropology major; thesis titles: “Sex: The Critical Truth” and “Stories of Rejection, Resistance and Self-Discovery”; hometown: Bozeman, Mont.; high school: Bozeman Senior High School

Daniel Vasquez: Political Science major, with a minor in Spanish; thesis title: “Divided Political Allegiances? Understanding Hispanic Opinion Formation and Variation Toward Immigration Reform”; hometown: Brooklyn, N.Y.; high school: James Madison High School

Marie Eileen DeBellis Vastola: Biology major, with a minor in Health Studies; thesis title: “The Involvement of the Twin Arginine Translocation (Tat) System in the Development of Antibiotic Resistance in *Pseudomonas aeruginosa* and the Effects of Sub Inhibitory Concentrations of Antibiotics on Motility and Biofilms”; hometown: Pacific Grove, Calif.; high school: Pacific Grove High School

Rosemary Krome Ventura: International Studies (Bryn Mawr College) and Spanish double major, with a Minor in Economics; thesis titles: Thesis One “Informal Empire through Short-term International Volunteer Work: A Case-study of Imperialism, Resistance, and Transnational Solidarity in Chile” Thesis Two “Imperio informal en el voluntarismo internacional de corto-plazo: Un estudio del imperialismo, resistencia y solidaridad transnacional en Chile”; hometown: Madison, Wis.; high school: West High School

Dylan James Verner-Crist: Philosophy major; thesis title: “Scenographies of Sexuality: Laplanchean Seduction and Racialized Desire”; hometown: Barrington, R.I.; high school: Barrington High School

Nathan Andrew Vestrich-Shade: Economics major; thesis title: “The Effect of the UEFA Champions League Financial Payout System on Competitive Balance in European Soccer Leagues”; hometown: Towson, Md.; high school: St Paul's School for Boys

Sarah Jane Waldis: Biology major; thesis title: “Understanding the role of twist and fog in *Anopheles gambiae* gastrulation”; hometown: Glen Mills, Pa.; high school: Archmere Academy

Evan Taehoon Walsler-Kuntz: Biology major, with a minor in Statistics; thesis title: “Variability in Hydraulic Efficiency among Specimens of the Extinct Plant *Archaeopteris* and Their Implications”; hometown: Northfield, Minn.; high school: Northfield High School

Olivia Anne Walsh: Psychology major; thesis title: “The Impact of Sexual Experience On Sexual Behavior and Neural Activation in Female Syrian Hamsters”; hometown: E Williston, N.Y.; high school: Our Lady of Mercy Academy

Jiayue Wan: Mathematics and Physics double major; thesis titles: Thesis One “Integrability and Chaos in Classical Dynamical Systems” Thesis Two “Design, Construction, and Validation of a Cold Test Chamber for the Si (Li) Detectors of the GAPS Experiment”; hometown: Shanghai, China; high school: HS attached to Fudan University

Houhou Wang: English major, with a minor in Growth and Structure of Cities (Bryn Mawr College); thesis title: “Sexuality and Desire in ‘Goblin Market’”; hometown: Beijing, China; high school: Beijing National Day School

Tianyu Wang: Physics major; thesis title: “Solar cell effects of TPPS4 nanorods”; hometown: Shanghai, China; high school: HS attached to Fudan University

Zhuochen Wang: Psychology major; thesis title: “Sexual Experience Alters Functional Neuroanatomy during Sexual Odor Perception in Male Syrian Hamsters”; hometown: Worcester, Mass.; high school: Worcester Academy

Daniel Eliezer Waranch: Mathematics major, with a minor in Linguistics; thesis title: “Intrinsic Knotting and Linking”; hometown: Dallas, Texas; high school: St Mark's School

John Laurenson Ward: Music major; Original Composition entitled Reflections IV; hometown: Philadelphia, Pa.; high school: Chestnut Hill Academy

Michaela Anne Ward: English and Psychology double major; thesis titles: Thesis One “Nourishing the Other: Reading Post-Coloniality in Zadie Smith’s *NW*” Thesis Two “The Effects of Culture and Expressive Writing on Social Support”; hometown: Sherborn, Mass.; high school: Dover-Sherborn Regional High School

Morgana Warner-Evans: English major; thesis title: “‘To Hell with Shell’: Anti-Capitalist Rhetoric in the Poetry of Rita Ann Higgins”; hometown: West Bath, Maine; high school: Mount Ararat School

Samuel Caspar Warren: Spanish major, with concentration in Latin American, Iberian and Latino Studies; thesis title: “Cómo salvar el alma: Rosario Castellanos, ‘Ciudad Real,’ y la ética de la solidaridad en la justicia social”; hometown: Davis, Calif.; high school: Leonardo Da Vinci High School

Nora Walker Weathers: Chemistry major, with a minor in Environmental Studies; thesis title: “Examining the Association of DDX Compounds to Sediment Matter”; hometown: Peterborough, N.H.; high school: Miss Porter's School

Miwa Jana Wenzel: Biology and Philosophy double major; thesis titles: Thesis One “A Case for Teleology in Modern Biology” Thesis Two “Expression of *bli-5* in Relation to Molting of *C. elegans*”; hometown: Yorktown Heights, N.Y.; high school: Yorktown High School

Kaziah Grace White: Anthropology major, with concentration in Peace, Justice and Human Rights; thesis title: “Speaking Abortion: Understanding Stigma, Support Networks, and Faith Within the Lives of Abortion Care Providers”; hometown: Boulder, Colo.; high school: Fairview High School

Alexis Nicole Williams: Psychology major; thesis title: “The Shaping of Sex Behavior, Odor Perception, and Neural Activation by Sex Experience: The Role of the Bed Nucleus of the Stria Terminalis’s Projections to the Nucleus Accumbens”; hometown: Yorktown, Va.; high school: Tabb High School

Emily Sue Winesett: Chemistry major, with concentration in Biochemistry; thesis title: “Probing Chain Sequestration in Natural Product Biosynthesis using Vibrational Spectroscopy”; hometown: St Petersburg, Fla.; high school: Canterbury School of Florida

Sarah Elisabeth Wingfield: English major; thesis title: “‘I Now, I Then’: The Ecstatic Moment, Real Time and the Narration of Self in Virginia Woolf’s *The Waves*”; hometown: Biggleswade, Bedfordshire, United Kingdom

Justin Ross Winkler: Economics major, with a minor in Mathematics (Bryn Mawr College); thesis title: “Examining the Impact of Foreign NBA Players on the Wages and Employment of American Basketball Players”; hometown: Massapequa Peak, N.Y.; high school: Chaminade High School

Kimberly Wright: Classical Culture and Society; thesis title: “The Effects of Prometheus Bound on China During the Early Twentieth Century and Rebel Plays in South Africa”; hometown: East Orange, N.J.; high school: The Hill School

Haitong Xu: Political Science major, with a minor in Sociology; thesis title: “The Benefits, Functioning and Challenges of Time Banks in Crises: With the Case Studies of Three Time Bank Initiatives around Philadelphia”; hometown: Shanghai, China; high school: Raffles Institution

Samuel Watson Yarosh: Physics major; thesis title: “Molecular Gas Cloud Identification Algorithms in Idealized Galaxy Simulations”; hometown: West Chester, Pa.; high school: Unionville High School

Jonathan Alexander Yellets: Religion major, with a minor in Health Studies; thesis title: “Exploring How Diet and Nutrition Redefine Notions of Black Identity, Health, and Gender in the Nation of Islam”; hometown: Charlotte, N.C.; high school: The Woodberry Forest School

Yongjin Yoon: Psychology major, with a minor in Chemistry; thesis title: “Variations in the College Experience: The Effects of Introversion and Mindsets on Social Adjustment and Classroom Participation”; hometown: Muncie, Ind.; high school: Indiana Academy for Science

Sunny Zheng: History major, with a minor in Fine Arts; thesis title: “‘Image’-ing Otherwise: the Ambivalent Politics of Asian American Visual Self-Representation in the post-1965 Era”; hometown: Claremont, Calif.; high school: Claremont High School

Ting Zhou: Computer Science and Mathematics double major; thesis titles: Thesis One “Factors Affecting Stencil Code Performance” Thesis Two “A Survey of the Number Field Sieve”; hometown: Shenyang, China; high school: Northeast Yucai School

Heyi Zhu: Mathematics major; thesis title: “Reciprocity Laws”; hometown: Nantong, China; high school: HS Affiliated with Nanjing Normal University

Chenlei Zhuang: Economics major; thesis title: “Pricing Trends of Brand Name Anticancer Drugs: An Empirical Investigation from the Perspectives of Firm Strategies”; hometown: Shanghai, China; high school: HS attached to Fudan University