



HARVARD UNIVERSITY  
Faculty of Arts and Sciences

**2022 Thomas Temple Hoopes Prize Winners**

for excellent undergraduate work and excellence in the art of teaching

- Farah Afify for her project entitled “Radical and Muslim: Islamic Liberationist Thought in the Black Panther Party”—supervised and nominated by Dr. Sara Awartani
- Stephanie Alderete for her project entitled “Preschoolers’ Representations of Possibilities”—supervised and nominated by Dr. Brian Leahy
- Sorcha Ashe for her project entitled “Flying Colors: The Evolution of Wing Color and Color Vision in the Hyperdiverse Eumaeini Butterfly Tribe (Family: Lycaenidae)”—supervised and nominated by Professor Naomi Pierce
- Bjarni Atlason for his project entitled “Using Multiomic Inference and the Exercise Response to Identify Genetic Determinants of Human Cardiovascular Health”—supervised and nominated by Dr. James Guseh
- Fahima Begum for her project entitled “The Ones That Got Away? Exploring the Economic Consequences of Fleeing Domestic Abuse, Its Connection to Financial Networks, and Its Impact on Mental Health”—supervised and nominated by Ms. Holly Hummer
- Jacob Blair for his project entitled “We Can’t All Be Right: The Neural Correlates of Distinguishing between Fact and Opinion Statements in a Political Context”—supervised and nominated by Professor Mina Cikara
- Tucker Boynton for his project entitled “Football’s *Moneyball* Moment: Inefficiencies in Player Pricing in the NFL Labor Market”—supervised and nominated by Dr. Judd Cramer
- Brett Brannon for his project entitled “George Fitzhugh and the End of Southern Order”—supervised and nominated by Professor Drew Faust
- Anna Cambron for her project entitled “*Ioci Nudandarum Mimarum*: Uncovering the Roman Floralia”—supervised and nominated by Dr. Harry Morgan
- James Caven for his project entitled “Many Plants, One Pattern: Environmental Effects on Plasticity in Phlox”—supervised and nominated by Professor Robin Hopkins
- Letitia Chan for her project entitled “Survival as Aesthetic Matter”—supervised and nominated by Dr. Josh Bell
- Jay Chandra for his project entitled “Classification of Continuous Natural Human Behavior Using Intracranial Field Potentials”—supervised and nominated by Professor Gabriel Kreiman

- Candice Chen for her project entitled “Examining Paleoclimate Interpretations of Saharan Aeolian Dust Fluxes Using Modern Observations”—supervised and nominated by Professor Peter Huybers
- Kelsey Chen for her project entitled “Things Adrift: A Vital Materialist Account of Trinh Mai’s *Bone of My Bone* as Feminist Refuge-Making Craft”—supervised and nominated by Professor Michael Puett and Professor Eugene Wang
- John Chua for his project entitled “Mainstreaming Hate: Radical Right Politicians and the Erosion of the Anti-Prejudice Norm”—supervised and nominated by Professor Daniel Ziblatt
- Alan Dai for his project entitled “‘A World without Frontiers’: Reflections on the Origin and Spread of Cosmopolitan Nationalisms in East Asia, 1886–1920”—supervised and nominated by Professor Michael Szonyi
- Anna Doris for her project entitled “Computational Modeling and Design of Soft-Robotic Pneumatic Fingers for Functionality and Durability”—supervised and nominated by Professor Robert Wood
- Sonia Epstein for her project entitled “‘To Build and To Be Built’: Tuberculosis Control and the Zionist Movement, 1922–1957”—supervised and nominated by Dr. Samuel Dolbee
- Lauren Fadiman for her project entitled “Malignant Technology: The Cell Phone and the Cellular in Contemporary Folklore”—supervised and nominated by Dr. Lowell Brower
- Alec Fischthal for his project entitled “A Nation of Strangers: Anti-Communism, Anti-Discrimination, and the Politics of Immigration Reform, 1952–1965”—supervised and nominated by Dr. Aaron Bekemeyer
- Emma Forbes for her project entitled “Dynamic Futures, Robot Imaginaries: Interrogating Bio-Inspired Robot Development in the U.S.”—supervised and nominated by Dr. Anna Jabloner
- Louis Golowich for his project entitled “Random Walks on Expander Graphs”—supervised and nominated by Professor Salil Vadhan
- Rachel Guo for her project entitled “On the Effect of Ranger Patrols on Deterring Poaching: A Bayesian Approach for Causal Inference Using Field Tests as an Instrument”—supervised and nominated by Professor Milind Tambe
- Andrew Ham for his project entitled “Nociceptor Control over Resolution of Inflammation and Tissue Repair in the Skin”—supervised and nominated by Professor Clifford Woolf
- Emily He for her project entitled “Engineering Ultrasound-Triggered Red Blood Cell Delivery of Thrombin to Induce Targeted Hemostasis”—supervised and nominated by Dr. Sol Schulman
- Kendra Heredia for her project entitled “‘Un Acto Revolucionario’: A History of Health, Abjection, and Womanhood in the Maquiladoras of Ciudad Juárez, 1980–2001”—supervised and nominated by Ms. Angélica Márquez-Osuna
- Rose Hong for her project entitled “Algorithms for Managing Deliberation”—supervised and nominated by Professor Ariel Procaccia

- Jonathan Katzman for his project entitled “A Dependent ‘Special Relationship’: Jewish American Economists and the Liberalization of the Israeli Economy”—supervised and nominated by Professor Derek Penslar
- Alison Kim for her project entitled “Ice Age Effects on the Satellite-Derived J2-dot Datum: Mapping the Sensitivity to 3D Variations in Mantle Viscosity”—supervised and nominated by Professor Jerry Mitrovica
- Edward Lee for his project entitled “Determining the Metal Transport Features of the *Eggerthella lenta* Nramp-like Proteins”—supervised and nominated by Professor Rachelle Gaudet
- Sydney Lewis for her project entitled “The (Mis)education of Black Harvard: The Fight for African and African American Studies, 1963–1976”—supervised and nominated by Ms. Erin Freedman
- Anne Lheem for her project entitled “Beyond Beauty: Cosmetic Surgery Practices as a Design Technology for Self-Making, Social Belonging, and Nation Building in Twenty-First-Century South Korea”—supervised and nominated by Professor Nicholas Harkness
- Sophia Li for her project entitled “Friendship”—supervised and nominated by Dr. Jeffrey Behrends
- Jimmy Lin for his project entitled “Labor Supply during the COVID Pandemic: The Who, What, Where, and Why of the Great Resignation”—supervised and nominated by Professor Edward Glaeser
- Zelin Liu for his project entitled “*Inter exempla erit*: Germania in Tacitus and Its Use by Early German Humanists”—supervised and nominated by Professor Ann Blair and Professor Richard Thomas
- Abhishek Malani for his project entitled “Out of Stock? Outage-Induced Demand Loss in Bike Sharing Systems”—supervised and nominated by Professor Myrto Kalouptsi
- Sreekar Mantena for his project entitled “Model-Based Exploration Algorithms for Diagnostic Probe Design”—supervised and nominated by Professor Pardis Sabeti
- Miles McAllister for his project entitled “Growing Pains: John Keats and the Poetry of Healing”—supervised and nominated by Professor Beth Blum and Mr. Charles Tyson
- Joshua Moriarty for his project entitled “Kantian Theology and Its Jewish Reception: Moral Transformation in the Works of Immanuel Kant and Hermann Cohen”—supervised and nominated by Professor Eric Nelson
- Samuel Murray for his project entitled “Roadblocks: Politics, Protests, and Planning in Boston’s Highway Debates, 1950–1973”—supervised and nominated by Mr. Jacob Anbinder
- Sivabalan Muthupalaniappan for his project entitled “Inferring Evolutionary Relationships: An Overview of Homology Search and a Novel Neural Network-Based Approach”—supervised and nominated by Professor Sean Eddy and Dr. John Wesley Cain
- Yash Nair for his project entitled “Randomization Tests for Adaptively Collected Data”—supervised and nominated by Professor Lucas Janson
- Michel Nehme for his project entitled “Killing the Innocent: A Theory of Violent Interactions between Regimes and Resisters”—supervised and nominated by Professor David Yang

- Ana Luiza Nicolae for her project entitled “The Earth’s Stretchmarks: Winds as Directional Systems Generated from the Ground in Mesopotamia and Greece”—supervised and nominated by Professor Paul Kosmin and Professor Mark Schiefsky
- Indu Pandey for her project entitled “Engendering Reparations: Tracing the Emergence of Gender-Based Reparations in Latin America”—supervised and nominated by Dr. Frances Hagopian
- Todd Qiu for his project entitled “Cowards, Brothers, Slaves: American Perceptions of Allies and Adversaries during the Korean War”—supervised and nominated by Ms. Ruodi Duan
- Ramiz Razzak for his project entitled “Leaning against Credit? Evidence That the Fed Incorporates Financial Stability Considerations into Monetary Policy”—supervised and nominated by Professor Jeremy Stein
- Tiffany Ann Rekem for her project entitled “Declarations of Love”—supervised and nominated by Dr. Joana Pimenta
- Edward Richardson for his project entitled “The Race to Displace: The Long-Run Causal Effect of the 1996 Olympic Legacy Program on Residential Locations in Atlanta, GA”—supervised and nominated by Dr. Gregory Bruich
- James Roney for his project entitled “Evidence for and Applications of Physics-Based Reasoning in AlphaFold”—supervised and nominated by Dr. Sergey Ovchinnikov
- Simas Šakenis for his project entitled “How to Get Transformers to Process in Steps”—supervised and nominated by Professor Stuart Shieber
- Jayram Sastry for his project entitled “A Cornerstone in a Structure That Is Not Complete: The Social Stability of Low-Income Americans in the Age of Health Care Reform”—supervised and nominated by Dr. Gregory Bruich
- Elijah Schimelpfenig for his project entitled “The Court of Last Resort: Mass Incarceration in the Age of Legal Liberalism”—supervised and nominated by Professor Evelyn Brooks Higginbotham
- Jasper Schoff for his project entitled “Le Bon Goût Musical: Printers, Paratexts, and Politesse in Early Modern Paris, 1532–1598”—supervised and nominated by Professor David Armitage and Professor Alexander Rehding
- Ema Schumer for her project entitled “The Boston Police Strike of 1919: The Rise and Fall of Left-Wing Police Unionism in Interwar America”—supervised and nominated by Ms. Samantha Payne
- Noah Secondo for his project entitled “Just Sojourners? Traveling Artists, Civil Rights Activism, and U.S. National Security”—supervised and nominated by Professor Daniel Aguirre Oteiza and Professor Evelyn Brooks Higginbotham
- Ethan Seder for his project entitled “CrashPak: An Airbag for Cyclists”—supervised and nominated by Professor Conor Walsh
- Noah Singer for his project entitled “On Streaming Approximation Algorithms for Constraint Satisfaction Problems”—supervised and nominated by Professor Madhu Sudan

- Lavanya Singh for her project entitled “Automated Kantian Ethics”—supervised and nominated by Professor Nada Amin and Dr. William Cochran
- Benjamin Sperling for his project entitled “The Baby of Business and Broadway: Industrial Musicals in Corporate America”—supervised and nominated by Professor Carol Oja
- K. Stawasz for her project entitled “To the Stars, in the Closet: Attitudes toward Homosexuality in the United States Space Program, 1957–1987”—supervised and nominated by Professor Michael Bronski and Ms. Tiffany Nichols
- Joshua Stern for his project entitled “Simplicity within Complexity: Rich but Generalizable Representations in Prefrontal Cortex during Foraging Behavior”—supervised and nominated by Professor Naoshige Uchida
- Amanda Su for her project entitled “Real Lives, Reel Histories: The Articulation of Ambivalent Identities in Asian American Home Movies”—supervised and nominated by Dr. Karen Huang
- Marissa Sumathipala for her project entitled “Investigating Local Translation with High-throughput RNA Sequencing of Single Synaptosomes”—supervised and nominated by Professor Steven McCarroll
- Owen Torrey for his project entitled “Breaking the Barrier of Flowers: The Nature of Punishment at the Mettray Penal Colony”—supervised and nominated by Dr. John Boonstra
- Sydney Vach for her project entitled “How Did It Come to This? Investigating the Adolescent Mini-Neptunes Orbiting TOI-712”—supervised and nominated by Dr. Samuel Quinn
- Benjamin Wenzelberg for his project entitled “*Nighttown*: An Operatic Reimagining of James Joyce’s *Ulysses*”—supervised and nominated by Mr. Russell Rymer
- Lila Williams for her project entitled “When Two Kingdoms Collide: Conflict and Symbiosis between Amish Communities and Biomedicine in Central Pennsylvania”—supervised and nominated by Professor Arthur Kleinman
- Matteo Wong for his project entitled “Up the Stairs to the Basement Workshop: Sustaining Art, Activism, and an Asian American Community in New York City, 1970–1986”—supervised and nominated by Dr. Michael King
- Grace Yeboah-Kodie for her submission entitled “Arguing Research, Arguing Rights: The Imperfect Tool of Science in Late Twentieth-Century Environmental Justice Activism”—supervised and nominated by Ms. Emma Broder
- Michael Yin for his submission entitled “Multi-District School Choice: When Sincere Students Stay and Sophisticated Students Stray”—supervised and nominated by Professor Yannai Gonczarowski
- Selena Zhang for her project entitled “Manipulating Barocaloric Effects in Two-Dimensional Metal-Halide Perovskites through Compositional Engineering”—supervised and nominated by Professor Jarad Mason
- Ben Zhang for his project entitled “Mitigating the Health Impacts of Viral Pandemics with CRISPR-based Diagnostics”—supervised and nominated by Professor Pardis Sabeti