HARVARD UNIVERSITY
Faculty of Arts and Sciences

2020 Thomas Temple Hoopes Prize Winners
for excellent undergraduate work and excellence in the art of teaching

- Salma Abdelrahman for her project entitled "In That Beautiful Light"—nominated by Ms. Christina Twicken

- Leena Anupama Ambady for her project entitled "From Semiconductors to Recombinant DNA: The Silicon Valley Toxics Coalition's Battle for Public Oversight of Science and Technology, 1982–1987"—nominated by Ms. Colleen Lanier Christensen

- Nada Alaa Attia for her project entitled "Let's Talk about Sexually Transmitted Infection: Exploring Arab Immigrant Mothers' Conceptions Surrounding HPV, Cervical Cancer, and Its Methods of Prevention"—nominated by Professor S. V. Subramanian

- Constance Marie-Sophie Bourguignon for their project entitled "'No Way to Speak of Myself': Lived and Literary Resistance to Gender in French"—nominated by Professor Annabel Kim

- Yi Hua Chen for her project entitled "Investigating the Role of the G1 Phase of the Cell Cycle in the Maintenance of Genomic Integrity in *S. cerevisiae*"—nominated by Professor Andrew Murray

- Zihong Chen for his project entitled "Special Lagrangians in the Landau-Ginzburg Mirror of CP^2"—nominated by Professor Denis Auroux

- Alice Siyu Cheng for her project entitled "The Socioeconomic Effects of Displacement from Racial Violence: Evidence from the 1921 Tulsa Race Massacre"—nominated by Professor Desmond Ang

- Julie Sunyoung Chung for her project entitled "Redefining 'Inclusive Science': Hawai'i's Multicultural Settler Colonial Context"—nominated by Professor Ajantha Subramanian

- Caroline Margaret Cohen for her project entitled "Fighting Uphill: Three 2018 Congressional Campaigns Where Democrats Made Gains in Conservative America"—nominated by Professor Theda Skocpol

- Christopher Gregory Colby for his project entitled "Voicing Tragedy: A Realization of Ancient Greek Music"—nominated by Professor Alexander Rehding and Professor Naomi Weiss

- Una Callahan Corbett for her project entitled "'Organize, Agitate, Educate': Making Political Meaning of the American Women's Suffrage Centennial"—nominated by Dr. Lauren Brandt

- Angie Cui for her project entitled "Diplomas for Diplomacy: Foreign Students in China and the Soft Power Question"—nominated by Mr. Austin Strange

- Isabelle Katherine Madden DeSisto for her project entitled "From the 'Island of Freedom' to the Iron Curtain: Rethinking the Role of Soft Power in Soviet-Cuban Educational Exchange Programs"—nominated by Dr. George Soroka

- Sophia Concetta DiCara for her project entitled "Locked in Bridgewater: Ethnic Tensions, Labor, and the Emergence of the Carceral State in Massachusetts, 1853–1933"—nominated by Mr. Aaron Bekemeyer

- Caroline Elizabeth Diggins for her project entitled "A Primatized Mouse Model: A Platform for Assessing Human, Chimpanzee, and Gorilla Gut Microbiomes"—nominated by Professor Rachel Carmody

- Caroline Sarence Engelmayer for her project entitled "Aliquis est ex me pius? Seneca's *Phoenissae* and Its Early Modern Reception"—nominated by Professor Leah Whittington and Professor Richard Tarrant

- Pedro Farias for his project entitled "Riding with Charlie: Public Transportation Policy and Its Impact on Businesses and Road Safety in Massachusetts"—nominated by Professor Edward Glaeser

- Gabriel Spaulding Fox-Peck for his project entitled "Glorybound"—nominated by Ms. Kera Street

- Joyce Wai Yun Fung for her project entitled "To My Carpenter Center for the Visual Arts"—nominated by Ms. Katarina Burin

- Michael Gao for his project entitled "Investigating RNA Structure in Translation: A Functional and Biochemical Characterization of the CaMK2Î± Internal Ribosome Entry Site"—nominated by Professor Victoria D'Souza

- William Gao for his project entitled "Discovery and functional characterization of non-coding RNAs in eukaryotic genomes"—nominated by Dr. Elena Rivas

- Jackson Mercer Grigsby for his project entitled "Re-Examining Resistance and Revolt at Sobibór"—nominated by Dr. Brandon Bloch

- Joshua Martin Grossman for his project entitled "A Novel 3D Model-Based Petroleum Resource Estimate of the Qaidam Basin in Northwest China and Implications for the Future of China's Energy Economy"—nominated by Professor John Shaw

- Dhruv Gupta for his project entitled "Bike Sharing Is Transit: Building Tools to Plan and Optimize Bike-Sharing Networks"—nominated by Mr. Jinyan Zang

- Emilee A. Hackney for her project entitled "Unlost: From Appalachia to Harvard and Back"—nominated by Professor Michael Pollan

- Jamie Halper for her project entitled "'Imagination Joggers': Women's Fight to Eliminate Sex-Segregated Classified Advertisements from American Newspapers, 1964–1973"—nominated by Professor Louis Menand and Dr. Lauren Kaminsky

- Tessa Han for her project entitled "Applying Mediation Analysis to Predict Feed Forward Loops as Gene Regulatory Mechanisms in Multiple Myeloma: A Novel Statistical Approach"—nominated by Professor Giovanni Parmigiani

- Hannah Kate Harris for her project entitled "As a Woman and as a Mother of Sons: Maternal Blame Attribution towards Victims of Sexual Violence"—nominated by Professor Max Krasnow

- Nathan Lewis Hollenberg for his project entitled "Drawing the New NBA Three-Point Line: A Statistical Approach to Determining Its Location and Effect on the Game"—nominated by Dr. Kevin Rader

- George L. Hu for his project entitled "U.S. Patents and Global Performance"—nominated by Professor Marc Melitz

- Meena Jagadeesan for her project entitled "The Performance of Johnson-Lindenstrauss Transforms: Beyond the Classical Framework"—nominated by Professor Jelani Nelson

- Ariella F. Kahan for her project entitled "Friends or Foes? Palestinian Arabs in the Eyes of American Women Zionists, 1929–1948"—nominated by Professor Derek Penslar

- Allison Huang Kao for her project entitled "A Single-Cell Atlas of the *Peromyscus* Retina: Evolution at the Cell-Type Level"—nominated by Professor Joshua Sanes

- Matthew Keating for his project entitled "From Lesvos to Leipzig: Comparative Legal Frameworks and Obstacles for LGBTQ Asylum Seekers in the European Union"—nominated by Professor Jacqueline Bhabha

- Trevor Wade Ladner for his project entitled "Blackness on the Whiteboard: Teaching Race and Racism in Mississippi Social Studies Education"—nominated by Mr. Thomas Wooten

- Allison Shu Ting Law for her project entitled "Consider the lobster ectocommensal, *Symbion americanus*: Phylogeographic analysis reveals spatial niche partitioning on host mouthparts"—nominated by Professor Gonzalo Giribet

- Sabrina Helen Li for her project entitled "Mother, Grow My Baby"—nominated by Ms. Laura van den Berg

- George Tiger Liu for their project entitled "A(BD)SMR"—nominated by Professor Matthew Saunders

- Jason Yecheng Ma for his project entitled "From Adversarial Imitation Learning to Robust Batch Imitation Learning"—nominated by Professor David Parkes

- Beatriz Velloso Marinho for her project entitled "The Impact of Pacification Policies on Student Achievement: Evidence from the UPP Intervention in Rio de Janeiro"—nominated by Professor Michela Carlana

- Hillary McLauchlin for her project entitled "State of the Art: Contemporary Chinese Art in the Age of Surveillance"—nominated by Dr. Mark Sanchez

- Gavin Bernard Moulton for his project entitled "Şişli Mosque: The Changing Aesthetics and Politics of Mosque Building, Restoration, and Calligraphy in the Turkish Republic, 1923–1957"—nominated by Professor Gülru Necipoğlu Kafadar and Dr. Himmet Taskomur

- Maribel Nava for her project entitled "State Carceral Institutions and Community Identity in Rural America: Perceptions of Community in Dilley, Texas"—nominated by Mr. Ethan Raker

- Laura M. Nicolae for her project entitled "The Effects of Liquidity Regulation on Bank Demand for Reserves and the Federal Reserve's Balance Sheet Policy"—nominated by Dr. Jeffrey Miron

- Petra Laura Oreskovic for her project entitled "Media Bias on Television and Its Determinants"—nominated by Professor Alberto Alesina

- Cristopher Gor Patvakanian for his project entitled "The Ethnic Connection: Armenian Diaspora Investment"—nominated by Professor Jeffry Frieden and Dr. Lisa Gulesserian

- Yong Han Poh for her project entitled "Love, Labour, Loss: Voices of Migrant Worker Poets and Storytellers in Singapore"—nominated by Dr. Philip Kao and Dr. Nicole Newendorp

- Alejandro Ruben Quintana for his project entitled "Local Migration in the Arsinoite Nome of Egypt during the Early Principate"—nominated by Professor Giovanni Bazzana and Professor Paul Kosmin

- Alexander L. Ren for his project entitled "Modeling NaV1.7 Channelopathies Using Genetically-Engineered Genetically Engineered Human iPSC-Derived Sensory Neurons"—nominated by Dr. Clifford Woolf

- Dylan R. Rice for his project entitled "The Impact of Stereotypes on the Health and Healthcare of Gay Men"—nominated by Professor James Sidanius

- Damian Lendell Richardson for his project entitled "'It Makes Me Do More': Community Violence and Civic Engagement in Chicago's High-Crime Neighborhoods"—nominated by Professor Adaner Usmani and Dr. Anya Bassett

- Daniel L. Rosenblatt for his project entitled "'Deìjame que te cante yo tambieìn': Constructing Working-Class Puerto Rican Identity in New York City, 1917–1936"—nominated by Dr. Andrew Pope

- Alexis Jihye Ross for her project entitled "Using Linear Approximations to Explain Complex Blackbox Classifiers"—nominated by Professor Himabindu Lakkaraju and Professor Bernhard Nickel

- Isabel Clara Ruehl for her project entitled "Growing Up, Aging Out: Autism across a Lifespan"—nominated by Ms. Jill Abramson

- Dylan Kenneth Ryals for his project entitled "Of Mites and Men: Using Spatially Explicit Sampling and Genetic Sequencing to Uncover Disease Dynamics of Honeybee Parasite *Varroa destructor* in Migratory Apiculture"—nominated by Professor Brian D. Farrell

- Rachel Marie Schartz for her project entitled "Slaves and Saviors: An Ethnographic Study of a Safe Home for Survivors of Sex Trafficking"—nominated by Dr. Andrew Brandel

- Julia Coburn Schroeder for her project entitled "Courting Chancery: The Politics of Petitioning in Fifteenth-Century England"—nominated by Mr. Eric Nemarich

- Amir Siraj for his project entitled "Observational Signatures of Interstellar Objects and Their Implications for Astronomy"—nominated by Professor Abraham Loeb

- Chinmay Sonawane for his project entitled "A Defence of the Queens of Africa: The Public Health and Economic Benefits of Spotted Hyenas (*Crocuta crocuta*)"—nominated by Professor David Haig

- Lauren Delaney Spohn for her project entitled "Poetics of a Dyspeptic Prophet: *Sartor Resartus*, *The French Revolution*, and the Forms of Thomas Carlyle's Life-Philosophy"—nominated by Professor Louis Menand and Mr. Martin Quinn

- Mirac Suzgun for his project entitled "Formal Language Theory as a Framework for Understanding the Limitations of Recurrent Neural Networks"—nominated by Professor Stuart Shieber

- Natalie I. Swartz for her project entitled "Evidence-Based Care for the Most At-Risk: Exploring Access to Medication Treatment among Opioid Users Experiencing Homelessness"—nominated by Dr. Avik Chatterjee

- Sarah Lynn Toomey for her project entitled "Keeping Score"—nominated by Professor Jorie Graham

- Sierra Tseng for her project entitled "The Role of PU.1 Transcription Factor in Mediating Inducibility of Human Hematopoietic Enhancers"—nominated by Professor Leonard Zon

- Julian Philip Ubriaco for his project entitled "The Promise of a Cure: Measuring the Welfare Gain to Hemophilia A Patients from Gene Therapy"—nominated by Professor Ariel Pakes

- Jordan M. Villegas for his project entitled "La Pocha, Sin Raíces (Spoiled Fruit, Without Roots): A Genealogy of Tejana Borderland Imaginaries"—nominated by Professor Durba Mitra

- Jordan Elizabeth Virtue for her project entitled "A Civil War of Universities: Harvard and the 'Harvard of the South' in William Faulkner's Novels"—nominated by Professor Glenda Carpio

- Aakanksha Samir Vora for her project entitled "Beyond Banking the Unbanked: The Effects of India's Demonetization on Financial Inclusion and Consumption Smoothing"—nominated by Professor Emily Breza

- Alexander Wei for his project entitled "Optimal Las Vegas Approximate Near Neighbors in Lp"—nominated by Professor Jelani Nelson

- Nicolas Weninger for his project entitled "Electro-Acoustic Modulation of Surface Acoustic Waves on Thin-Film Lithium Niobate Substrate"—nominated by Professor Marko Loncar

- Carter Jarrod Wilcox for his project entitled "Big Data, Brooches, and Boudica: Using Computational Methods to Reveal New Historical Puzzles"—nominated by Professor Michael McCormick

- Adele Woodmansee for her project entitled "'It is Pure *Criollo* Maize': Subsistence Agriculture and Ideas of Locality and Contamination in San Miguel del Valle, Oaxaca"—nominated by Professor Gary Urton

- Alex Alexis Wu for his project entitled "The Changing Nature of Political Polarization in the United States"—nominated by Professor Andrei Shleifer

- Shangda Xu for his project entitled "The Effect of Admissions Test Design on the Equity of Student Outcomes: Evidence from the New SAT"—nominated by Professor Martin West

- Nicolas Z. Yan for his project entitled "Just Work? Redistribution, Recognition, and the Future of Employment"—nominated by Professor Danielle Allen

- Wanqian Yang for his project entitled "Making Decisions under High Stakes: Trustworthy and Expressive Bayesian Deep Learning"—nominated by Professor Finale Doshi-Velez

- Shireen Younus for her project entitled "The Real Color of Islam: The Impact of Islamization on Muslim Minorities in Pakistan"—nominated by Ms. Natasha Murtaza

- Michael Zhang for his project entitled "Automated Activity Discovery and Object Detection with Computer Vision: Towards Unsupervised Learning for Breakfast to Surgery"—nominated by Professor Serena Yeung

- Lisa Zheng for her project entitled "Yes She Can: Female Artistic Production in Parisian Art Markets, 1737–1820"—nominated by Professor Ewa Lajer-Burcharth and Dr. Mark Glickman

- Eric Yanhan Zhou for his project entitled "Virginia Woolf's Critique of Sympathy"—nominated by Professor James Wood and Ms. Michelle Taylor