

**WPI Humanities & Arts Award**

**Class of 1879 Prize**

**For Outstanding Work in Humanities & Arts Completed  
During 2020**



**Thursday, March 25, 2021**

**4:00pm to 6:00pm Virtually Celebrated**

**Please click the link below to join the webinar:**

**<https://wpi.zoom.us/j/99258647165>**

**Awards are funded by an endowment from the**

**WPI Class of 1879**

**WELCOME**

**Kathryn Moncrief**

**Head, Department of Humanities & Arts**

**ANNOUNCEMENT OF THE WINNERS**

**Class of 1879 Award Committee:**

**Holger Droessler, Assistant Professor, Chair**

**Michelle Ephraim, Associate Professor**

**John Sanbonmatsu, Associate Professor**

**M. David Samson, Associate Professor**

## Winners

**Johanna Whitwell, ‘Evaluating the Influence of Italian Fascism on Brazilian Integralism and the Vargas Regime,’ major: Industrial Engineering, minor Mechanical Engineering, advisor: John Galante**

**Minh Anh Kieu, “Insiders, Outsiders, and In-Between: Asian Nonimmigrant Experience in the American Context of Intersectional Racism, major: Biomedical Engineering, minor: Bioinformatics and Computational Biology, advisor: Jennifer McWeeny**

**Cosette Domkofski, “Those Who Endure,” major: Biomedical Engineering, minor: Psychology, advisor: Joseph Aguilar**

## Honorable Mention citations

**Julia Milks, “Psychiatric Healthcare in Morocco,” major: Biology and Biotechnology, Pre-Medical, minor: Global Public Health, advisor: Rebecca Moody**

**Payton Bielawski, “Sheltered: A Look into the Connection Between Nature and Humankind,” major: Architectural Engineering, minor: Environmental Science and Sustainability Studies, advisor: Marie Keller**

**Samuel Hopkins, “Development of Single-use Plastics in a Throwaway Culture,” major: Biomedical Engineering, advisor: Joseph Cullon**

**Two group entries:**

**Edward Jackson**, majors: Robotics Engineering and Mechanical Engineering, **Adams Strohm**, major: Chemical Engineering, **and Kenneth Armijo**, majors: Robotics Engineering, Electrical and Computer Engineering, **“Detonating the Pacific: Shifting Attitudes Regarding Cold-War Era Nuclear Testing in the Marshall Islands,”** advisor: David Spanagel

**Adiletta, Matthew**, majors: Electrical and Computer Engineering and Computer Science, **Thomas, Oliver**, major: Mechanical Engineering, **“An Artistic Visualization of Music, Modeling a Synesthetic Experience,”** advisor: VJ Manzo

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**Abreu, Dianjenis**, **“Race and Tensions on the Island of Hispaniola,”** major: Electrical and Computer Engineering, advisor: John Galante

**Allegrezza, Marissa**, **“A linguistic Analysis of Interrogations of Nan-Native Speaking Suspects,”** major: Chemistry (Medicinal concentration), advisor: Althea Danielski

**Awaunit, Kiara**, **“The Hidden World of Gymnastics,”** major: Biomedical Engineering, minor: Materials, advisor: Peter Hansen

**Emily Baker**, **A Brilliant Thing Associate Directing an Outdoor Production during COVID19,”** major: Mathematical Sciences, minor: Economics, advisors: Despoina Giapoudzi and Kathryn Moncrief

**Baldwin, Ashley**, **“2D Design in 3D Sculpture,”** major: Biomedical Engineering, minor: Biology, advisor: Adryen Gonzalez

**Belanger, Kylie**, **“Dramaturgy in Isolation: A Novel Concept,”** major: Biology and Biotechnology, minor: Global Public Health, advisor: Despoina Giapoudzi

**Bendremer, Emily**, **“Stage management at WPI: Every Brilliant Thing,”** majors: Professional Writing and Psychological Science, advisor: Patrick Crowe and Kathryn Moncrief

**Bielawski, Payton**, **“Sheltered: A Look into the Connection Between Nature and Humankind,”** major: Architectural Engineering, minor: Environmental Science and Sustainability Studies, advisor: Marie Keller

**Bonarrigo, Paul**, **“Chemistry and Control in “Gravity’s Rainbow”**, major: Chemical Engineering, minor: Industrial Engineering, advisor: Lance Schachterle

**Boyea, Samantha**, **“Global 5G Demand and Chinese Environmental Policy,”** major: Electrical and Computer Engineering, advisor: William San Martin

**Bray, Mark, "AAMC Content Category 8B: Social Thinking and Crohn's Disease," majors: Biomedical Engineering and Professor Writing, advisor: Brenton Faber**

**Caten, Maddison, "BPA – An Inside Job?," major: Computer Science, advisor: Joseph Cullon**

**Chin, Jaden, "Diego the Friendly Bartender," major: Physics, advisor: Katherine McIntyre**

**Choksey, Ruchita, "An Ethnographic Study of Zellige Craftsmen," major: Mechanical Engineering, advisor: Rebecca Moody**

**Collins, Abigail, "Entering & Redefining the Man's Domain: Café Culture and Public Spaces as Woman in Morocco," major: Aerospace Engineering, advisor: Rebecca Moody**

**Deng, Yaqi, "Vision in Sounds: The Natural Scenery in the Musical works of Chopin and Debussy," major: Bioinformatics and Computational Biology, advisor: Marie Keller**

**Doyle, Fiona, "Every Brilliant Thing: A Minor Capstone", major: Electrical and Computer Engineering, minor: Theater, advisor: Kathryn Moncrief**

**Domkofski, Cosette, "Those Who Endure," major: Biomedical Engineering, minor: Psychology, advisor: Joseph Aguilar**

**Duffy, Kathleen, "Modern Functions of English in Japanese Linguistics," major: Biology and Biotechnology, advisor: Althea Danielski**

**Eddy, Meredith, "The Impact of Music on Child Development," major: Biomedical Engineering, minor: Chemistry, advisor: Jonathan Blumhofer**

**Emery, Morgan, "Outsiders in Their Own City: The Bouregreg Valley Project and the Moroccan Middle Class," major: Civil Engineering, minor: Arabic, advisor: Rebecca Moody**

**Erker, Natalia Carvajal, "Ripple Effects in Our World: A Look at COVID-19, Human Migration and the Rippling Effects Our Actions have on our Future," majors: Computer Science and Psychological Science, advisor: Rebecca Moody**

**Fabry, Kayla, "Cats in Ancient Egyptian Artwork," major: Mathematical Sciences, minor: Data Science, advisor: David Samson**

**Flaherty, Tess, "The Prophet," majors: Biology & Biotechnology and Environmental Science, advisor: Joseph Aguilar**

**Feldman, Talya, "Producing Julius Caesar: Experiencing the Round," major: Mechanical Engineering and Theatre, advisor: Patrick Crowe**

**Gladu, Alexander, "Too Blessed to Complain," major, Mechanical Engineering, advisor: Joseph Aguilar**

**Gleaver-Stigum, Imogen, "Patriarchy and the Horror of Existence," major: Computer Science, advisor: John Sanbonmatsu**

Guglielmino, Peter, "Outsmarting Fake News," major: Robotics Engineering, minor: Electrical and Computer Engineering, Manufacturing Engineering, advisor: Althea Danielski

Hartzel, Emma, "Trip to Totality," major: Biology and Biotechnology, advisor: Katherine McIntyre

He, Muyun, "The Use of Language in Chinese and English Video Advertisements for Food Products," major: Computer Science, advisor: Althea Danielski

Hirsch, Hannah, "Brighter Days Ahead," major: Architectural Engineering, minor: Media Art, advisor: Roshanak Bigonah

Hopkins, Samuel, "Development of Single-use Plastics in a Throwaway Culture," major: Biomedical Engineering, advisor: Joseph Cullon

Huang, Jeffrey, "On Assimilation and Integration of Cultures," majors: Electrical and Computer Engineering, Mechanical Engineering, advisor: Jennifer McWeeny

Hung-En Li, "Analysis and Interpretation of Thomas Pynchon's Gravity's Rainbow Communication of a Rainbow," major: Mechanical Engineering, advisor: Lance Schachterle

Huynh, Quang, "Deep in the Heart of Arava," major: Mechanical Engineering, advisor: Joseph Aguilar

Iaconia, Matthew, "The Perception of George Washington Throughout His Life," major: Management Information Systems, minor: Data Science, Computer Science, advisor: Stephen Bullock

Jackson, Nathan, "The Fourth and Final Industrial Revolution," majors: Robotics Engineering and Computer Science, advisor: Yunus Telliell

Jaeger, Caroline, "Physics and Environmental & Sustainability Studies," major: Physics and Environmental & Sustainability Studies, advisor: Joseph Aguilar

Jain, Bhanuj, "Autonomous Vehicles: Missing Human Brain," majors: Physics and Mathematical Science, advisor: Yunus Telliell

Katz, Gabriel, "Tourism in Iceland," major: Mathematical Sciences, minor: Data Science, advisor: Peter Hansen

Kendall Tim, "Ambivalent America," major: Chemical Engineering, advisor: James Cocola

Khosravi, Yasaman, "An Ethical Method of Rationing Scarce Healthcare Resources During Covid-19 Pandemic," major: Mechanical Engineering, minor: Robotics Engineering, advisor: Bethel Eddy

Kieu, Minh Anh, "Insiders, Outsiders, and In-Between: Asian Nonimmigrant Experience in the American Context of Intersectional Racism, major: Biomedical Engineering, minor: Bioinformatics and Computational Biology, advisor: Jennifer McWeeny

Kneedler, Alec, "Ethical AI: on the Moral Responsibilities of Artificial Intelligence Development," majors: Electrical and Computer Engineering, Robotics Engineering advisor: Peter Hansen

Kral, Jacqueline, "The Effects of Photography on the Perceptions of Charles Darwin in the Media," major: Mechanical Engineering, minor: Concentration in Mechanical Design, advisor, Constance Clark

Labbe, Eva, "Get Profiled: How Mass Incarceration Carries On," major: Computer Science and Data Science, advisor: Lindsay Davis

LaMarche, Ryan, "The Endangered Identity of Captive Animals," major: Computer Science, minor: Management Information Systems, advisor: Jennifer McWeeny

Langille, Marissa, "Walking Guilty," major: Biomedical Engineering, advisor: Joshua Harmon

Lewitzky, Jenny, "The Lethality of Female Underrepresentation," majors: Mechanical Engineering, Psychological Sciences, advisor: Bethel Eddy

Li, Hung-En, "Analysis and Interpretation of Thomas Pynchon's Gravity's Rainbow: Communication of a Rainbow", major: Mechanical Engineering, advisor: Lance Schachterle

Looney, Tyler, "Rehearsing in Isolation," majors: Robotics Engineering and Computer Science, advisor: Douglas Weeks

Loosigian, Victoria, "Ethical Decision Making in Medicine: Rationing During a Global Pandemic," major: Biology and Biotechnology, advisor: Bethel Eddy

Luisi, Ryan, "Quiet but Alive," major: Mechanical Engineering, advisor: Katharine McIntyre

Macaulay, Patrick, "Why Save Endangered Species?" majors: Biomedical Engineering and Mechanical Engineering, advisor: Jennifer McWeeny

Malabanti, Grace, "Parallel Planes of Morocco and its Women," major: Mathematical Sciences, minor: Arabic Studies, advisor: Rebecca Moody

Mason, Kaitlin, "The Technological Effects of the COVID-19 Quarantine on Individual Performance of Observed in My Experience in WPI's Online Music Performance Practicum," major: Physics, advisor: Douglas Weeks

McCoole, Megan, "US Women's National Team: Equal Pay Dispute," major: Electrical and Computer Engineering, minor: Mechanical Engineering, advisor: Peter Hansen

Mei, Jeffrey, "Gentrification of Cities: Baseball Stadiums," major: Biomedical Engineering, minor: Mechanical Engineering, advisor: Bethel Eddy,

Meraz, Alexandra, "The Oddest Otter," major: Electrical and Computer Engineering, minor: Interactive Media and Game Development, advisor: Edward Gutierrez

Miller, Gillian, "Escaping the Haze," major: Biomedical Engineering, minor: Materials Science, advisor: Joseph Aguilar

Milks, Julia, "Psychiatric Healthcare in Morocco," majors: Biology and Biotechnology, Pre-Medical, minor: Global Public Health, advisor: Rebecca Moody

Mina, Anastasia, "Tug of War: Understanding Cultural Identity Development in Egyptian-American Adolescents," majors: Biomedical Engineering and Professional Writing, advisor: Esther Boucher

Moore, Alysa, "From Stratford to Sanford Riley: An Epistolary Narrative", major: Robotics Engineering, advisor: Katherine McIntyre

Morrison, Kaitlyn, "The Art of Managing an Intense Stage," major: Physics, minor: Math, Drama Theatre, advisor: Patrick Crowe

Nguyen, Thien-Kim, "A Comparison of the Global Governmental Responses to the COVID-19 Pandemic," major: Biology Biotechnology, advisor: Bethel Eddy

Nowak, Taylor, "Unmasking the Prison Film within Toy Story 3," major: Mechanical Engineering, advisor: Lindsay Davis

Olexa, Brendan, "Impact of Youth Sports," major: Chemical Engineering, advisor: Peter Hansen

O'Mullan, Patrick, "Climate, COVID, and the Global Green New Deal," majors: Physics and Computer Science, advisor: William San Martin

Orszulak, Adrian, "Stock Prison Tropes and Their Perception," majors: Biology and Biotechnology and Bioinformatics and Computational Biology, Advisor: Lindsay Davis

Papi, Amelia, "Control Z," major: Biology and Biotechnology, advisor: Joseph Aguilar

Parenteau, John, "American History Through Film," major: Civil Engineering, advisor: James Hanlan

Perlee, Abigail, "Vaccination Debate in The United States," major: Industrial Engineering, advisor: Bethel Eddy

Petrillo, Marina, "Walking with Open Eyes, major: Chemical Engineering, advisor: Joshua Harmon



**Pimbino, Eileen, "Title IX: The Female Student-Athlete and Coach," major: Chemical Engineering, advisor: Peter Hansen**

**Piziak, Malvina, "Mental Illness and How it Impacts the Meaning of Life," majors: Business and Psychological Science, advisor: Roger S. Gottlieb**

**Puch, Sophia, "Examining Mass Atrocities: Precursors that Led to the Cambodian Genocide," major: Biomedical Engineering, advisor: Jennifer McWeeny**

**Roche, Patrick, "Chemistry and Control in "Gravity's Rainbow", major: Chemical Engineering, minor: Industrial Engineering, advisor: Lance Schachterle**

**Rivernider, Zachary, "The Effect of Pollution and How it was Reduced in New York City," majors: Robotics Engineering, Electrical and Computer Engineering, advisor: Constance Clark**

**Rock, Alexis, "Studies in the Human Factors of Medicine," major: Biology and Biotechnology, minor: Psychology, advisor: Brenton Faber**

**Sabol, Gavin, "The Interconnectedness of Global Economics," major: Mechanical Engineering, minor: Business, advisor: Peter Hansen**

**Sansoucy, Emily, "Applications of Music Therapy for the Homeless," major: Biomedical Engineering, advisor: Brent Wetters**

**Schuliger Ashley, "Producer as Composer EP Composition," major: Computer Science, minor: Data Science, advisor: Scott Barton**

**Shi, Anna, "An Exploration in Script Writing: A Project Portfolio," major: Electrical and Computer Engineering, advisor: Despoina Giapoudzi**

**Shulman, Issa Marc, "Existentialism and Gender in Film," major: Interactive Media and Game Development, advisor: John Sanbonmatsu**

**Sirois, John, "Beneath the Surface," major: Aerospace Engineering, minor: Mechanical Engineering and Business, advisor: Joseph Aguilar**

**Smith, Jake, "Affect Theory from Marathons to the World," major: Environmental Engineering, advisor: Rebecca Moody**

**Smuk, Allison, "Fragmentary Writing: Exploring Trauma," major: Architectural Engineering, minor: Sustainability Engineering, advisor: Joshua Harmon**

**Snow, Timothy, "Biases in American Baseball Operations," major: Mechanical Engineering, advisor: Peter Hansen**

**Sorenson, Jon, "An Inseparable Bond in Nature's Greatest Gift," major: Mechanical Engineering, advisor: Marie Keller**

**Standolnik IV, Joseph Henry, "What Lurks Downstairs," major: Computer Science & Interactive Media and Game Development, advisor: Katharine McIntyre**

**Staples, Meghan, "Northern Amazigh Identity in Tourist Spaces," major: Biology and Biotechnology, minor: Philosophy, Global Public Health, advisor: Rebecca Moody**

**Stoessel, Jordan, "A Look into the Influential Tool of Photography," major: Computer Science, advisor: Constance Clark**

**Tames, Donovan, "Identifying the Elements of Quintessentially American Violence in Donald Glower's "This is America", major: Electrical and Computer Engineering, advisor: Lindsay Davis**

**Tedtsen, Delaney, "The Prison Camouflaged Within the Hunger Games," major: Environmental Engineering, minor: Gender, Sexuality, and Women's Studies (Individually Designed Minor), advisor: Lindsay Davis**

**Toplyn, Julie, "From Russia with Love – A Personal Journey," major: Mechanical Engineering, advisor: Joseph Aguilar**

**Trac, Cindy, "Breath of Fresh Air: Fresh Off the Boat and Asian-American Representation in the Media", majors; Computer Science and Data Science, advisor: Lindsay Davis**

**Trainor, Daniel, "Ethics of Physician Assisted Suicide," major: Mechanical Engineering, advisor: Bethel Eddy**

**Whitwell, Johanna, "Evaluating the Influence of Italian Fascism on Brazilian Integralism and the Vargas Regime," major: Industrial Engineering, minor: Mechanical Engineering, advisor: John Galante**

**Wong, Zachary, "At the Time the Axe Falls," major: Computer Science and Humanities and Arts (Literature), advisor: Michelle Ephraim**

**Wrona, Daniel, "An Exploration of Musical Styles of Pat Metheny," major: Mechanical Engineering, advisor: Doug Olsen**

**Wynn, Jordan, "Mosquito Born Diseases of Latin America," major: Biochemistry, minor: Spanish, advisor: Ingrid Matos-Nin**