

2020 Senior Thesis Titles

Atiyyah Fatimah Abdur-Rahman	The Effect of Motivation on the Academic Careers of School Age Children
Hyunjun Ahn	Inhibition of CDC14 in Verticillium longisporum as a potential fungicide target, reducing crop loss from fungal plant pathogens
William Nathanael Brown	"A red flag before the Gallic bull:" Bismarck, the Ems Telegram, and the Outbreak of the Franco-Prussian War
Martin M. Brunswick IV	Understanding Concept Art
Allison Cheng Burdi	Identification of a Novel Promoter Region in the HIV Genome
Ethan Y. Cheung	Increasing CeMV infection rates among Bottlenose Dolphins in Western Australia
Everett Collins	Self- Understanding in Happiness
Nikola Dobrev	Autonomous Service Robots and Semantic Mapping
Alex Nelson Duchnowski	Applying Neural Networks to Frame Detection in Gun Incident Coverage in the Media
Anna Dzhitenov	From Narrative to Not: Cinematic Tradition and My Own Evolution
Kaiti Filippou	Climate Modeling: Determining the Efficacy of White Roofs in Decreasing Surface Temperature and Surrounding Air Temperature in Urban Heat Islands in the United States Northeast
Xiangrui Fu	Lumina Design: A Specialized Design System for Dark User Interfaces
Stephanie B. Gratiano	Through Hostile Eyes: A Close Reading of the New York Times Co. v. United States Opinions
Caileen Ella Hayes	"The Heart Of His Mystery": Interpreting and Playing Hamlet

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Douglas L. Hazel	How Symbols and Sounds Drive Thought Processes in Native Languages of Children
Ewan Y. Henderson	Effects of Urbanization and Forest Fragmentation on Foliar Nitrogen and Carbon in the Northeastern U.S
Nataly Leah Kaldawy	An Investigation of Behavioral Therapy for Patients with Alzheimer's Disease in Nursing Homes
Chaerin Kim	The Benefits of Art therapy for Adolescents with ADHD
David Aaron Houdek Koplow	Using Neural-Embedded Nonlinear Mixed Effects Models to treat Neonatal Abstinence Syndrome
Vibhav Kumar	Analysis of Radiative Transitions In Diatomic Molecules
Henry Gabriel Lamkin	An Analysis of the Chaotic Double Pendulum
Jean Lee	The Work of Liver Foundations in Taiwan: An Analysis of the Qualities that have Sustained these Foundations in the Context of the Taiwan National Health Insurance
Maria Levit	The Climate Change Denial Machine: the Mechanism, the Actors, and the 'Debate' Surrounding Anthropogenic Global Warming
Oghenerukevwe Ifunanyachukwu Madu	Sexual assault on college campuses; with a specific focus on universities in the Boston area
Denis Matov	Social Media as a Screening Tool in the Hiring Process
Nicket Mauskar	Statistical Analysis of Neonicotinoid Toxin Exposure in the United States
Sonya Alexandra Poznansky	The Role of Mature B Lymphocytes in the Improvement of Brain Structure and Function Following Contusion Traumatic Brain Injury in Murine Models

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Anisha Prakash	A Comparative Analysis of Tryptophan Hydroxylase and Phenylalanine Hydroxylase How Close is Close Enough?
Alexis Maria Puthussery	Optimization of a microfluidic system for PLGA nanoparticle fabrication
Easwer Raman	Novel Detection of Malarial Protein Biomarker via Sandwich Assay and Anodic Stripping Voltammetry
William Raymond Reason	Can We Ever Be Responsible for What We Do? Does it Matter? A Comprehensive Modern Analysis of the Free Will Debate and a Defense of Hard Incompatibilism
Aniketh G. Reddy	PMAT framework connections in Clinical High Risk patients for psychosis
Juliana Sposito Sena	European Approach to Climate Change: The Lessons of Germany's Energiewende on Environmental Policy
Grace Elizabeth Simpson	The Drama of Reserve in Jane Austen's Sense and Sensibility
Michael Louis Simpson	Creating <i>Kuebiko</i>
Jada Nicole Smith	Analysing the Problems and Solutions of the Student Debt Crisis
Sarah Anne Snyder	The Effect of CXCL12 on the survival and function of human stem cell-derived islets
Gurnoor Singh Sooch	Visual Odometry in Autonomous Vehicles
Jeremy H. C. Springer	Glowsticks: a Novel Method of Antibody Labeling
Sumedha Vemparala	How a Student's Surrounding Environment affects their Education
Yixing Wang	Contradiction and Confidence in Two Socratic Dialogues
Emelie Pauline Watkins Valls	Influence of Socioeconomic Status on Frequency of Risk-Taking Behaviors in Patients with Borderline Personality Disorder

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Robert Gabriel West

The Compositional Strategies of Paul Simon

Alexander Wheeler

Plotting Defensive Alignments for a Given Batter Pitcher Matchup

Lihanxi Ye

Studying Crossfeeding in Microbial Consortia using Phenotype Microarrays of Biofuel Relevant Microbes: *Yarrowia lipolytica* and *Pseudomonas putida*

Alex Wang Zhang

Analyzing SEC Measures Against Fiduciary Conflict of Interest

Lizi Zhang

Role of Type-1 and Type-2 Calreticulin Mutation in Mitochondrial Metabolism of Myeloproliferative Neoplasms