Award Type	First Name	Last Name	Major	Mentor First Name	Mentor Last Name	Mentor Department	Project Title
Salary Award	Lee Jun	Ahn	Mechanical Engineering (ME)	Ye	Zhao	Mechanical Engineering	Athena Humanoid Upper Body Robot – Head Design, Eye Subsystem
Salary Award	Michael	Bick	Mechanical Engineering (ME)	Ai-Ping	Hu	Aerospace Engineering	Bio-Inspired Design and Optimal Control of the Brachiating Robot
Salary Award	Faye	Clever	Neuroscience (NEURO)	Patrick	McGrath	Biological Sciences	Effects of Optogenetic Manipulation of C. elegans Pharyngeal Muscles on Food Consumption Levels and Fitness
Salary Award	Raymond	Copeland	Applied Physics (APHY)	Peter	Yunker	Physics	Biophysical Finite Size Effects on Biofilm Competition
Salary Award	Ana	De Pereda Banda	Chemical and Biomolecular Engineering (CHBE)	Mark	Styczynski	Chemical and Biomolecular Engineering	Exploring the effects of G-418 Sulfate and similar antibiotics on the metabolism of Saccharomyces cerevisiae
Salary Award	Nicole	Diaz	Biomedical Engineering (BMED)	Anton	Bryksin	Biomedical Engineering	Fluorescent Protein Constructs for Flow Sorting
Salary Award	Caroline	Dowell-Esquivel	Biomedical Engineering (BMED)	David	Hu	Mechanical Engineering	Honey bee Pollen Pellet Properties and Removal
Salary Award	Isabelle	Du Plessis	Biology (BIO)	Joe	Brown	Civil and Environmental Engineering	Effect of feeding practices on pathogen carriage in the Cambodia integrated nutrition, hygiene, and sanitation project
Salary Award	Thiago	Esslinger	Earth and Atmospheric Sciences (EAS)	Kim	Cobb	Earth and Atmospheric Sciences	Does genetics influence the fidelity of coral-based paleoclimate records?
Salary Award	Daniele	Gavetti De Mari	Neuroscience (NEURO)	Lewis	Wheaton	Biological Sciences	Neural behavior pattern classification for Brain Computer Interface in upper limb prosthetics
Salary Award	Amir	Girgis	Computer Science (CS)	Xiuwei	Zhang	Computer Science	An Early Meningitis Outbreak Prediction and Surveillance System
Salary Award	Robin	Glefke	Physics (PHYS)	Martin	Mourigal	Physics	Search for Electron Spin Entanglement in Lanthanide-Halogen Oxides Through Magnetic and Structural Characterization
Salary Award	Alex	Gurgis	Neuroscience (NEURO)	Alberto	Stolfi	Biological Sciences	The Role of FGF9/16/20 and Pax2/5/8 on the Neurodevelopment of Neck Cells in Ciona
Salary Award	Taleb	Hirani	Computer Science (CS)	Brendan	Saltaformaggio	Electrical and Computer Engineering	Predicting Malware Capabilities from Cyber Attack Memory Images
Salary Award	Urvaksh	Irani	Mechanical Engineering (ME)	Saad	Bhamla	Chemical and Biomolecular Engineering	Biphasic Helmholtz Resonator
Salary Award	Riwayat	Katia	Architecture (ARCH)	Tarek	Rakha	Architecture	Improving Daylighting Performance in High-Rise Office Buildings in the Southeast Region of United States.
Salary Award	Alice	Kramer	Mechanical Engineering (ME)	Ellen	Yi Chen Mazumdar	Mechanical Engineering	Investigation of Boundary Turbulence using Imaging Focused Laser Differential Interferometry
Salary Award	Jeonghoon	Lee	Computer Engineering (CMPE)	Umakishore	Ramachandran	Computer Science	Rewind: Multiple-query and Latency Optimization for Real-time Video Analytics
Salary Award	Haewon	Lee	Materials Science and Engineering (MSE)	Gleb	Yushin	Materials Science and Engineering	Evaluation of interfacial resistance in Li-antiperovskite solid-state batteries
Salary Award	Hannah	Levy	Earth and Atmospheric Sciences (EAS)	Kim	Cobb	Earth and Atmospheric Sciences	Characterizing the relationship between oxygen isotopes in seawater and salinity in the tropical Pacific Ocean
Salary Award	Qingyi	Lou	Biomedical Engineering (BMED)	Greg	Sawicki	Mechanical Engineering	Development of System for Human Biomechanical Analysis Over Sandy, Dissipative Terrain
Salary Award	Sophia	Martin	Psychology (PSY)	Courtney	Crooks	International Affairs	Understanding Influence and Resilience in Cyber Culture
Salary Award	James	McCord	Physics (PHYS)	Glen	Evenbly	Physics	Quantum Inspired Wavelet Transformations for Image Compression
Salary Award	Zeel	Mehta	Biochemistry (BCHM)	Francesca	Storici	Biological Sciences	Discovery of embedded ribonucleotides in genomic DNA from HEK293T cells by ribose-seq.
Salary Award	Lila	Nassar	Physics (PHYS)	Jennifer	Curtis	Physics	The Mechanics of Sugars in Cancer Cell Migration
Salary Award	Evan	Newman	Physics (PHYS)	Flavio	Fenton	Physics	Development of an Efficient CUDA-based Implementation of the Lattice-Boltzmann Method
Salary Award	Duy	Nguyen	Biochemistry (BCHM)	Amit	Reddi	Chemistry and Biochemistry	Role of Mitochondrial Translocases on Heme Transport
Salary Award	Xinpei	Ni	Mechanical Engineering (ME)	Ye	Zhao	Mechanical Engineering	Development of a Self-Balancing Unmanned Bicycle
Salary Award	Zachary	Olkin	Computer Engineering (CMPE)	Jonathan	Rogers	Aerospace Engineering	Flight Control and Path Planning for Drone Capture
Salary Award	Siddhanta	Panda	Computer Engineering (CMPE)	Gregory	Durgin	Electrical and Computer Engineering	Flight Optimization Via Computer Controlled Aircraft Control Systems
Salary Award	John	Pederson	Chemical and Biomolecular Engineering (CHBE)	Jesse	McDaniel	Chemistry and Biochemistry	Electrocatalysis of Radical Cation Intermediates at Electrode Interfaces: Fixed-Voltage QM/MM Approach
Salary Award	Konstantina	Poulaki	Business Administration (BA)	Katie	Badura	Business, Scheller College of	Disabilities in the Workplace
Salary Award	Harshil	Shah	Computer Science (CS)	Michael	Best	International Affairs	Developing an ML-NLP Framework For The Burmese Language To Detect Hate Speech During Myanmar Elections in November 2020
Salary Award	Woo Jin	Shim	Biomedical Engineering (BMED)	Cheng	Zhu	Biomedical Engineering	CD28 Co-Stimulation Influence on LFA-1 Mediated T Cell Migration
Salary Award	Nicholas	Swaich	Mechanical Engineering (ME)	Gregory	Sawicki	Mechanical Engineering	Hip Exo Skeleton
Salary Award	Yuji	Takubo	Aerospace Engineering (AE)	Koki	Ho	Aerospace Engineering	Deep Reinforcement Learning Method for the Stochastic Large-scale Space Logistics
Salary Award	Matias	Teixeira Prates	Biomedical Engineering (BMED)	Aaron	Young	Mechanical Engineering	Biomechanical analysis of optimal hip exoskeleton assistance
Salary Award	Hannah	Verboncoeur	Earth and Atmospheric Sciences (EAS)	Alexander	Robel	Earth and Atmospheric Sciences	Investigating how the Elevation-SMB Relationship Feeds into Thwaites Glacier's Ice Dynamics via an Intermediate Complexity Model
Salary Award	Kelly	Wang	Neuroscience (NEURO)	Candace	Fleischer	Biomedical Engineering	Development of a Brain Temperature Phantom for Improved MR Thermometry
Salary Award	Xin	Xiang	Physics (PHYS)	David	Ballantyne	Physics	Analyzing the physical conditions for a warm corona in accretion discs of active galactic nuclei to produce the soft excess