Award Type	First Name	Last Name	Major	Mentor First Name	Mentor Last Name	Mentor Department	Project Title
Salary Award	Gabriela	Adler	Industrial Engineering (IE)	Anthony	Giarusso	City & Regional Planning	Analysis and Visualization of Human Threats to Mountain Gorillas
Salary Award	Kartavya	Agarwal	Mechanical Engineering (ME)	Samuel	Graham	Mechanical Engineering	Reliability of Perovskite Based Solar Cells
Salary Award	Ashley	Alexander	Biology (BIO)	Frank	Rosenzweig	Biological Sciences	Evolution of Cross-Feeding in a Simple Bacterial Community: Genetic and Ecological Determinants
Salary Award	Lauren	Aycock	Biomedical Engineering (BMED)	Joseph	Brown	Civil and Environmental Engineering	Determining the spatial relationship between STH prevalence and population density in Maputo, Mozambique
Salary Award	Guillermo	Bacardi	Chemical and Biomolecular Engineering (CHBE)	Elsa	Reichmanis	Chemical and Biomolecular Engineering	Comparison of Mechanical Properties and Charge Transport of Poly-3(hexylthiophene) Thin Films
Salary Award	Deborah	Baker	Computational Media (CM)	Lisa	Yaszek	Literature, Media, & Communication	The Lives and Literature of Early Women Science Fiction Writers
Salary Award	Madhumita	Baskaran	Biomedical Engineering (BMED)	Brandon	Dixon	Mechanical Engineering	Assessment in Brugia malayi L3 motility under imposed in vitro oscillatory flow conditions
Salary Award	Anna	Benkeser	International Affairs and Modern Language (IAML)	Daniel	Matisoff	Public Policy	Exploring Internal and External Motivations for Competing Eco-certifications
Salary Award	Arjun	Bir	Civil Engineering (CE)	Joe	Brown	Civil and Environmental Engineering	Low Cost Water Quality Tests for the Developing World
Salary Award	Xiaoyi	Cai	Electrical Engineering (EE)	Hadi	Esmaeilzadeh	Computer Science	An Acceleration Framework for Model Predictive Control on FPGAs
Salary Award	Tiffany	Chau	Mechanical Engineering (ME)	Cassandra	Telenko	Mechanical Engineering	Failure Analysis and Material Consumption of Fused Deposition Modeling
Salary Award	Philippe	Clifton	Aerospace Engineering (AE)	Brian	Gunter	Aerospace Engineering	Tethering And Ranging mission of the Georgia Institute of Technology - Cubesat Mission
Salary Award	Noel	Csomay-Shanklin	Mechanical Engineering (ME)	Aaron	Young	Mechanical Engineering	Sensor-Based Cadence, Incline, and Gait Phase Detection
Salary Award	Andrew	Denig	Nuclear and Radiological Engineering (NRE)	Dan	Kotlyar	Mechanical Engineering	Optimizing the Design of a Low-Enriched Nuclear Thermal Propulsion System for Deep Space Exploration
Salary Award	Xiannan	Di	Electrical Engineering (EE)	Maysam	Ghovanloo	Electrical and Computer Engineering	Tongue Drive System: Standalone Microcontroller and Peripheral Development
Salary Award	Akash	Doshi	Chemistry (CHEM)	Stefan	France	Chemistry and Biochemistry	A Dehydrative Cycloisomerization Approach to Fused Cycloheptene Formation
Salary Award	Devraj	Duggal	Applied Mathematics (MATH)	Hao-Min	Zhou	Mathematics	Influence, Information Propagation, and Kill Signals
Salary Award	Will	Flanagan	Mechanical Engineering (ME)	Aaron	Young	Mechanical Engineering	Increasing Classification Resiliency through Single Feature Extraction on EMG Arrays
Salary Award	Catherine	Grey	Mechanical Engineering (ME)	David	Hu	Mechanical Engineering	The Mechanics of Take-off in Birds
Salary Award	Daniel	Griffin	Architecture (ARCH)	Daniel	Baerlecken	Architecture	Incremental Sheet Metal Forming for Architectural Application
Salary Award	Sophia	Guldberg	Biochemistry (BCHM)	M.G.	Finn	Chemistry and Biochemistry	Clearance and Immunological Studies of Polymer Modified QB Particles from Mice Serum
Salary Award	Srishti	Gupta	Aerospace Engineering (AE)	Mark	Prausnitz	Chemical and Biomolecular Engineering	Photo-responsive Drug Diffusion for Treatment of Glaucoma
Salary Award	Kayla	Hendrickson	Materials Science and Engineering (MSE)	Seung Soon	Jang	Materials Science and Engineering	Refining Computational Techniques for Modeling Flory-Huggins Parameter
Salary Award	Dinushka	Herath	Chemical and Biomolecular Engineering (CHBE)	Nicholas	Hud	Chemistry and Biochemistry	Computer Modeling of Possible Prebiotic Nucleic Acids
Salary Award	Hiu Yan	Ip	Mechanical Engineering (ME)	Karim	Sabra	Mechanical Engineering	Assessing the stiffness of the Achille's tendon using laser vibrometry
Salary Award	Azra	Ismail	Computer Engineering (CMPE)	Neha	Kumar	Interactive Computing	Infant Monitors for Affordable Care-Taking
Salary Award	Abhinav	Jha	Mechanical Engineering (ME)	Julian	Rimoli	Aerospace Engineering	Node development for Tensegrity Structure Lattices to enable load absorption through buckling behavior
Salary Award	Greg	Johnston	Computer Science (CS)	Joseph	Lachance	Biological Sciences	Computational Painting of Local Genetic Ancestry Along Chromosomes
Salary Award	Nuzhat	Kabir	Biomedical Engineering (BMED)	Mark	Prausnitz	Chemical and Biomolecular Engineering	Synthesis and Topical Delivery of Ionic Liquids for Diagnosis of Cystic Fibrosis
Salary Award	John	Kaffezakis	Nuclear and Radiological Engineering (NRE)	Dan	Kotlyar	Mechanical Engineering	THORIUM-URANIUM HIGH CONVERSION FUEL DESIGN
Salary Award	Justin	Kahla	Biomedical Engineering (BMED)	Gabriel	Kwong	Biomedical Engineering	Engineering Nanoparticles to Differentiate Between Acute and Chronic Transplant Rejection
Salary Award	Ali	Kight	Biomedical Engineering (BMED)	Ross	Ethier	Biomedical Engineering	Characterization of Rat ONH Biomechanics through FEM and Sensitivity Analysis of Tissues
Salary Award	Seongshik	Kim	Chemical and Biomolecular Engineering (CHBE)	Nga	Ng	Chemical and Biomolecular Engineering	Secondary organic aerosol formation from toluene under high-NOx concentration in dry and humid conditions
Salary Award	Jenny	Kim	Biochemistry (BCHM)	M.G.	Finn	Chemistry and Biochemistry	Chemical Modification of Pediatric Tubing to Reduce Infection
Salary Award	Jong Rak	Koh	Applied Mathematics (MATH)	Haomin	Zhou	Mathematics	Influence, Information Propagation, and Kill Signals
Salary Award	Katherine	Kwasniak	Aerospace Engineering (AE)	Eric	Feron	Aerospace Engineering	Exoskeleton Prototype for Muscle Rehabilitation in Reduced-Gravity Environments
Salary Award	Blake	Lash	Biomedical Engineering (BMED)	Krishnendu	Roy	Biomedical Engineering	Imidazole-modified chitosan nanoparticles for delivery of siRNA to lung epithelium
Salary Award	Daniel	Lewis	Materials Science and Engineering (MSE)	Gleb	Yushin	Materials Science and Engineering	Chemical Vapor Deposition of Lithium Iron Phosphate for Use in Flexible Battery Cathodes
Salary Award	Grace	Li	Psychology (PSY)	Bruce	Walker	Psychology	Workload in Automated Driving
Salary Award	Carlos	Llorente	Physics (PHYS)	John	Wise	Physics	Increasing Performance of Astrophysical Simulation Software Through Hybrid Parallelization
Salary Award	Olivia	Lodise	Biomedical Engineering (BMED)	S. Balakrishna	Pai	Biomedical Engineering	Investigation of the Anticancer Potential of Yerba Mate Ingredients Dicaffeoylinquinic Acids on Human Cancer Cells
Salary Award	Rachel	McAllister	Biochemistry (BCHM)	Melinda	Millard-Stafford	Biological Sciences	Accuracy of near infrared spectroscopy to detect changes in body water deficits induced by exercise-heat stress and fluid restri
Salary Award	Roberto	Medrano	Mechanical Engineering (ME)	Thomas	Kurfess	Mechanical Engineering	VOXELIZED TOOLPATH PLANNING FOR NON-ASSEMBLY MECHANISMS USING VIRTUALIZED COMPUTER-AIDED MANUFACTURING
Salary Award	Aimee	Moise	Chemical and Biomolecular Engineering (CHBE)	Andreas	Bommarius	Chemical and Biomolecular Engineering	Growth, expression, and purification of two enzymes: HmfF and HmfG
Salary Award	Hiba	Murali	Computer Engineering (CMPE)	Gregory	Durgin	Electrical and Computer Engineering	5.8 GHz Space-Based Solar Power Energy Harvesting Using Flexible Transparent Inkjet-Printed Circuits
Salary Award	Catriana	Nations	Biomedical Engineering (BMED)	Robert	Guldberg	Mechanical Engineering	Pluripotent Stem Cell-based in vitro Models of Osteogenesis and Chondrogenesis of Juvenile Osteochondritis Dissecans
Salary Award	Samuel	Nelson	Mechanical Engineering (ME)	Gleb	Yushin	Materials Science and Engineering	High Strength Lithium Manganese Oxide Coated Carbon Nanotube Fabric as Battery Cathodes
Salary Award	Preston	Olds	Computer Science (CS)	Hadi	Esmaeilzadeh	Computer Science	Distributed FPGA Acceleration for Big Data Learning
Salary Award	Joshua	Pataky	Biomedical Engineering (BMED)	Wei	Sun	Biomedical Engineering	Mechanical Characterization of Surgical and Transcatheter Intervention in Tricuspid Regurgitation
Salary Award	Sydney	Platt	Biomedical Engineering (BMED)	Wei	Sun	Biomedical Engineering	Efficacy of cryopreservation in maintaining the structural and mechanical properties of collagenous tissue
Salary Award	Joshua	Qian	Chemical and Biomolecular Engineering (CHBE)	David	Ku	Mechanical Engineering	Relative contributions of shear rate and material surface to thrombosis in medical devices
Salary Award	Evan	Reed	Physics (PHYS)	Kenneth	Brown	Chemistry and Biochemistry	Trapping and Direct Doppler Cooling of Molecular Ion BH+
Salary Award	Prachi	Sahoo	Mechanical Engineering (ME)	William	Singhose	Mechanical Engineering	Capturing Human Motion with a Low-Cost Sensing System
Salary Award	Andrea	Santiago	Biomedical Engineering (BMED)	Mark	Prausnitz	Chemical and Biomolecular Engineering	Microneedle Devices for Enhancement of Bioactive Agents to Skin
Salary Award	Siddhi	Shah	Industrial Engineering (IE)	Ajit	Yoganathan	Biomedical Engineering	Ex Vivo Assessment of the Impact of Transcatheter Mitral Valve Stiffness on Paravalvular Leakage
Salary Award	Anna	Smith	Industrial Engineering (IE)	Nicoleta	Serban	Industrial and Systems Engineering	Teen Pregnancy Outcomes: Comparing Teen and Adult Mothers to Determine Causal Effects using Medicaid Claims
Salary Award	Courtney	Smith	Chemical and Biomolecular Engineering (CHBE)	David	Ku	Mechanical Engineering	In Vitro High Shear Thrombosis Variability: Anticoagulant Selection and Device Geometry
Salary Award	Olivia	Stehr	Civil Engineering (CE)	Joe	Brown	Civil and Environmental Engineering	Environmental Enteric Dysfunction in relation to age of children
Salary Award	Dhanusha	Subramani	Literature, Media, and Communication (LMC)	David	Hu	Mechanical Engineering	Elephant Trunk Grasping Mechanisms
Salary Award	Ranjani	Sundaresan	Psychology (PSY)	Tracy	Mitzner	Psychology	Understanding Age-Related Differences in Virtual Reality Spatial Presence Formation

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Salary Award	Sofia	Switzer	Chemical and Biomolecular Engineering (CHBE)	Craig	Forest	Mechanical Engineering	Histology of Blood Vessel Damage from Insertion of Microelectrodes into the Brain
Salary Award	Justin	Ting	Electrical Engineering (EE)	Arijit	Raychowdhury	Electrical and Computer Engineering	Hardware Accelerated Online Reinforcement Learning in Nano-bots for Autonomous Motion Planning
Salary Award	Max	Toothman	Mechanical Engineering (ME)	Kenneth	Cunefare	Mechanical Engineering	Multifunctional Self-Powered Hydraulic System Sensor Node
Salary Award	Joselyne	Umubyeyi	Biomedical Engineering (BMED)	Susan	Thomas	Mechanical Engineering	"Elucidating the effects of prolonged leukocytic and metastatic cell exposure to P-selectin and ICAM-1 on cell activation and su
Salary Award	Ashok	Vallamattam	Chemical and Biomolecular Engineering (CHBE)	Gleb	Yushin	Materials Science and Engineering	High-strength Al2O3 Ceramic Nanowire Membranes for Use as Battery Separators
Salary Award	Michael	Van Akin	Aerospace Engineering (AE)	Mitchell	Walker	Aerospace Engineering	Terahertz Time-Domain Spectroscopy in Hall Effect Thruster Plume
Salary Award	Vikram	Varadarajan	Biomedical Engineering (BMED)	Todd	Sulchek	Mechanical Engineering	Identification of Regulatory T Cells using Microfluidic Nanoparticle Delivery
Salary Award	Adam	Verga	Materials Science and Engineering (MSE)	Pamela	Peralta-Yahya	Chemistry and Biochemistry	Engineering a colorimetric output for GPCR-based chemical sensors
Salary Award	Aditya	Vishwanath	Computer Science (CS)	Neha	Kumar	Interactive Computing	Examining the Potential of Low-Cost Virtual Reality for Diverse Learning Environments
Salary Award	Daniel	Wang	Materials Science and Engineering (MSE)	Dong	Qin	Materials Science and Engineering	Site-Selective Deposition of Au and Pt on Ag Nanocubes for the Fabrication of Concaved Nanoframes with Catalytic Properties
Salary Award	Yonatan	Weinberg	History, Technology, and Society (HTS)	Christopher	Le Dantec	Literature, Media, & Communication	Marshall Rancifer: Atlanta's Pheonix
Salary Award	Jason	Weis	Biomedical Engineering (BMED)	Gabe	Kwong	Biomedical Engineering	Heat-Triggered Biomarkers to Quantify Tumor Infiltration of Engineered T Cell Therapies for Cancer
Salary Award	Sydney	Weiss	Mechanical Engineering (ME)	Frank	Hammond	Mechanical Engineering	Control Valve for Soft Pneumatic Ankle-Foot Orthotic for Drop-Foot
Salary Award	Rachelle	Wiese	Biochemistry (BCHM)	Sam	Brown	Biological Sciences	The Role of pH on the Behavior of Pseudomonas Aeruginosa in the Cystic Fibrosis Lung
Salary Award	Samuel	Wiley	Physics (PHYS)	Flavio	Fenton	Physics	Examining Bidirectional Coupling of Calcium and Voltage Dynamics in Zebrafish Hearts with Constant Diastolic Interval Pacing
Salary Award	Alexis	Wilkinson	Chemical and Biomolecular Engineering (CHBE)	Levi	Wood	Mechanical Engineering	Analysis of Pericyte Dysfunction in Alzheimer's Disease
Salary Award	Erin	Winger	Chemical and Biomolecular Engineering (CHBE)	Mark	Prausnitz	Chemical and Biomolecular Engineering	Photoresponsive Drug Delivery in the Eye
Salary Award	Lovelyn	Wirian	Materials Science and Engineering (MSE)	Joshua	Kacher	Materials Science and Engineering	The Effects of Microstructures on the Corrosion Rate of 302 Stainless Steel
Salary Award	Wenqi	Xian	Computer Science (CS)	James	Hays	Interactive Computing	Controlling Deep Image Synthesis with Sketch, Color and Texture
Salary Award	Justin	Zheng	Computer Engineering (CMPE)	Panagiotis	Tsiotras	Aerospace Engineering	Development of Vision Based Vehicle Tracking System using Two-Point Visual Driver Model and AutoRally Platform
Travel Award	Omar	Allam	Mechanical Engineering (ME)	Seung Soon	Jang	Materials Science and Engineering	Materials Design for Perovskite Solar Cell
Travel Award	Nicholas	Bond	Materials Science and Engineering (MSE)	Seung Soon	Jang	Materials Science and Engineering	Micelle Nanoreactor
Travel Award	Erik	Centeno	Electrical Engineering (EE)	Greg	Durgin	Electrical and Computer Engineering	Using Inkjet Printed Circuits on a Transparent Substrate for Microwave Energy Harvesting for Space Based Solar Power
Travel Award	Amanda	Felouzis	Biomedical Engineering (BMED)	Craig	Forest	Mechanical Engineering	Image- guided automated patch-clamp electrophysiology In vitro
Travel Award	Qixuan	Hou	Computer Science (CS)	Calton	Pu	Computer Science	A Comparative Study of Increasing Automation in the Integration of Multilingual Social Media Information
Travel Award	Rebecca	Keate	Biomedical Engineering (BMED)	Jennifer	Curtis	Physics	Physical Regulation of Cell Adhesion Strength by Cell-Surface Bound Polymers
Travel Award	Rohit	Konda	Biomedical Engineering (BMED)	Rob	Butera	Electrical and Computer Engineering	Bottom Up Approach for Examining Network Connectivity Through Measures of Dynamics
Travel Award	Blake	Lash	Biomedical Engineering (BMED)	Krishnendu	Roy	Biomedical Engineering	Imidazole-modified chitosan nanoparticles for delivery to lung epithelial cells in air-liquid interface cultures
Travel Award	Albert	Lee	Neuroscience (NEURO)	Cassie	Mitchell	Biomedical Engineering	Towards syncing polytherapy to the multi-factorial dynamics of the SOD1 G93A ALS pathology
Travel Award	Siyi	Li	Biomedical Engineering (BMED)	Michael	Davis	Biomedical Engineering	Developing a Bioink to 3D Print Aortic Valve Leaflets
Travel Award	Hiba	Murali	Computer Engineering (CMPE)	Gregory	Durgin	Electrical and Computer Engineering	Using Inkjet Printed Circuits on a Transparent Substrate for Microwave Energy Harvesting for Space Based Solar Power
Travel Award	Renee	Puvvada	Materials Science and Engineering (MSE)	Mark	Losego	Materials Science and Engineering	Atomic Layer Deposition of Nano-Coatings on Fabrics for Antibacterial Applications
Travel Award	Evan	Shi	Electrical Engineering (EE)	Gregory	Durgin	Electrical and Computer Engineering	Using Inkjet Printed Circuits on a Transparent Substrate for Microwave Energy Harvesting for Space Based Solar Power
Travel Award	Andrew	Short	Materials Science and Engineering (MSE)	Mark	Losego	Materials Science and Engineering	Inorganic Modification of Cellulosic Fibers for Enhanced Oil Sorption Capacity
Travel Award	Madeline	Smerchansky	Biomedical Engineering (BMED)	Krishnendu	Roy	Biomedical Engineering	Material-Directed Chondrogenic Differentiation Under Dynamic Culture Conditions
Travel Award	Samantha	Swamy	Biomedical Engineering (BMED)	Joe	Le Doux	Biomedical Engineering	How do students experience the problem-solving studio?
Travel Award	Isak	Thomas	Biomedical Engineering (BMED)	Maysam	Nezafati	Biomedical Engineering	Development of a rodent restraint system to study brain's networks in absence of anesthetic agents
Travel Award	Linda	Tian	Biomedical Engineering (BMED)	Zhong Lin	Wang	Materials Science and Engineering	Surface Bioengineering on a Triboelectric Nanogenerator (TENG) Device
Travel Award	Gregory	Whyte	Chemical and Biomolecular Engineering (CHBE)	Christine	Payne	Chemistry and Biochemistry	Effect of TiO2 Nanoparticles on the Expression of Chromatin Modifying Genes
Travel Award	Wenqi	Xian	Computer Science (CS)	James	Hays	Computer Science	TextureGAN: Controlling Deep Image Synthesis with Texture Patches