

Award Type	First Name	Last Name	Major	Mentor First Name	Mentor Last Name	Mentor College	Mentor Department	Project Title
Salary Award	Pranay	Agrawal	Computer Science (CS)	Thad	Starnier	COC	Interactive Computing	CopyCat: An American Sign Language Game to Improve Short-Term Memory for Deaf Children
Salary Award	Lily	Berz	Chemical and Biomolecular Engineering (CHBE)	Nian	Liu	COE	Chemical and Biomolecular Engineering	Solid-State Electrolyte Sintering via Rapid Joule Heating
Salary Award	Adrija	Bhattacharya	Electrical Engineering (EE)	Jennifir	Hasler	COE	Electrical and Computer Engineering	Implementing Neural Networks on a Field Programmable Analog Array
Salary Award	Madeline	Boyle	Biomedical Engineering (BMED)	David	Hu	COE	Mechanical Engineering	The Biomechanics of Elephant Trunk Elongation
Salary Award	Yuyan	Cai	Biomedical Engineering (BMED)	Manu	Platt	COE	Biomedical Engineering	Femoral Head Ossification in Sickle Cell Disease
Salary Award	Noah	Caplinger	Mathematics	Dan	Margalit	COS	Mathematics	Small Quotients of B'
Salary Award	Andrew	Chow	Biomedical Engineering (BMED)	Rudolph	Gleason	COE	Mechanical Engineering	Development of a low-cost photoplethysmography device to identify hemodynamic markers associated with preeclampsia
Salary Award	Wivek	Chundru	Biomedical Engineering (BMED)	Garrett	Stanley	COE	Biomedical Engineering	Arduino-based active sensation rig
Salary Award	Hunter	Darsey	Civil Engineering (CE)	Tony	Giarrusso	COD	City & Regional Planning	Infrastructure Decay - A Geospatial Analysis of America's Aging Roads and Bridges
Salary Award	Gururaj	Deshpande	Biomedical Engineering (BMED)	Bruce	Walker	COC	Psychology	Visually Impaired Onboard Navigation (VISION)
Salary Award	Eva	Erickson	Physics (PHYS)	Daniel	Goldman	COS	Physics	Locomotion of Centipedes on Complex Terrain
Salary Award	Anna	Farman	Biomedical Engineering (BMED)	Lakshmi	Dasi	COE	Biomedical Engineering	Hemodynamic Analysis of Polycaprolactone Transcatheter Fetal Heart Valves
Salary Award	Stella	Fournier	Electrical Engineering (EE)	Magnus	Egerstedt	COE	Electrical and Computer Engineering	Artistic Painting with Robotic Swarm
Salary Award	Jacob	Fowler	Chemical and Biomolecular Engineering (CHBE)	Nian	Liu	COE	Chemical and Biomolecular Engineering	Coating Nickel-Metal Hydride Batteries with Graphene to Improve Low-Temperature Performance and Cycle Stability
Salary Award	Paolo	Francisco	Materials Science and Engineering (MSE)	Edward	Botchwey	COE	Biomedical Engineering	Promotion of Muscular Regeneration after Volumetric Muscle Loss via SIP Aptamer-Functionalized PEG-MAL Hydrogels
Salary Award	Andrew	Galassi	Mechanical Engineering (ME)	Anirban	Mazumdar	COE	Mechanical Engineering	Design and Integrated Test of an Adaptive Wheel-Leg Mechanism for Robotic Mobility in Unstructured Environments
Salary Award	Aravind	Ganesan	Environmental Engineering (ENVE)	Yi-Chang James	Tsai	COE	Civil and Environmental Engineering	An Enhanced Curve Safety Assessment Using Correlation Analysis, Machine Learning Technology and Geographic Information System
Salary Award	Yuming	Gao	Biomedical Engineering (BMED)	Sung Jin	Park	COE	Biomedical Engineering	Investigate the oxidative stress enhancement in cancer cells with chemo- and photo- combined treatment
Salary Award	Daniele	Gavetti De Mari	Neuroscience (NEURO)	Lewis	Wheaton	COS	Biological Sciences	Neural behavior pattern classification for Brain Computer Interface in upper limb prosthetics
Salary Award	Tan	Gemicioğlu	Computer Science (CS)	Thad	Starnier	COC	Interactive Computing	BrainBraille: An Automatically Trained Brain Computer Interface using fNIRS
Salary Award	Alan	Gonzalez	Materials Science and Engineering (MSE)	Mark	Losago	COE	Materials Science and Engineering	Thermo-Oxidative Degradation Temperature and Activation Energy for Degradation in Hybrid AIOX - PET Fabrics
Salary Award	Katelyn	Greenhout	Chemical and Biomolecular Engineering (CHBE)	Paul	Kohl	COE	Chemical and Biomolecular Engineering	Durability of Low-Temperature Anion Exchange Membrane Electrolyzers
Salary Award	Charles	Hammer	Biology (BIO)	Young-Hi	Chang	COS	Biological Sciences	X-Ray Motion Analysis of the Underlying Mechanism of Unipodal Roosting in Chilean Flamingos
Salary Award	Alec	Helbing	Computer Science (CS)	Chris	Rozell	COE	Electrical and Computer Engineering	Human Interpretable Search of Variational Autoencoder Latent Spaces
Salary Award	Isabella	Hernandez	Civil Engineering (CE)	Bert	Bras	COE	Mechanical Engineering	Functional Decomposition of Fusoid Insect Behavior to Increase System Resilience
Salary Award	Kassandra	Homayuni	Chemical and Biomolecular Engineering (CHBE)	John	Blazek	COE	Chemical and Biomolecular Engineering	Purification of physiologically relevant Homo sapiens adenosine deaminase 1 binding partners for crystallization studies
Salary Award	Xiaoyu	Huang	Computer Engineering (CMPE)	Tushar	Krishna	COE	Electrical and Computer Engineering	Enhancing Multi-tenant Functionalities in Deep Learning Accelerators
Salary Award	Mia	Huff	Biomedical Engineering (BMED)	Rudolph	Gleason	COE	Mechanical Engineering	Development of a low-cost photoplethysmography device to identify hemodynamic markers associated with preeclampsia
Salary Award	Olivia	Irvin	Chemical and Biomolecular Engineering (CHBE)	John	Blazek	COE	Chemical and Biomolecular Engineering	Improving Mutational Ability of dCas9-AID in a Diversifying Base Editing System
Salary Award	Mir	Jeffres	Music Technology (MUSIC)	Grace	Leslie	COD	Music	EEG Preprocessing Tool in Max for Easy Brain Music-Making
Salary Award	Nelson	Jiang	Mechanical Engineering (ME)	David	Hu	COE	Mechanical Engineering	Analysis of Earwax Effect on Adhesion Strength of Ants' Pads
Salary Award	Janie	Johnson	Biomedical Engineering (BMED)	Hanjoong	Jo	COE	Biomedical Engineering	The Role of SOX4 in the Development of Atherosclerosis
Salary Award	Matthew	Johnson	Mechanical Engineering (ME)	Chengzhi	Shi	COE	Mechanical Engineering	Enhancing Spheroid/Organoid Development via Microfluidic Pressure and Shear Flow
Salary Award	Shelbe	Johnson	Chemical and Biomolecular Engineering (CHBE)	Mark	Styczynski	COE	Chemical and Biomolecular Engineering	Development of a Homocysteine Biosensor to Assess Folate Deficiency
Salary Award	Sophia	Kammann	Biology (BIO)	Brian	Hammer	COS	Biological Sciences	Investigating the regulation of the Type VI Secretion System in a Vibrio cholerae environmental isolate
Salary Award	Maxwell	Kazman	Chemical and Biomolecular Engineering (CHBE)	Mark	Styczynski	COE	Chemical and Biomolecular Engineering	Improving Vitamin B12 Cell-Free Biosensors
Salary Award	Connor	Koelsch	Mechanical Engineering (ME)	Dan	Kotlyar	COE	Mechanical Engineering	Stress Field Analysis for Nuclear Thermal Propulsion
Salary Award	Keyana	Komilian	Biomedical Engineering (BMED)	David	Hu	COE	Mechanical Engineering	Fire ants construct floating bridges to connect rafts
Salary Award	Patrick	Kramer	Biology (BIO)	Samuel	Brown	COS	Biological Sciences	Single Cell Quorum Sensing Dynamics of Pseudomonas aeruginosa with Sub-Inhibitory Concentrations of Azithromycin and Tobramycin
Salary Award	Abhinav	Kumar	Computer Science (CS)	Ye	Zhao	COE	Mechanical Engineering	Improving Trajectory Optimization Feasibility for Problems with Intermittent Contact Using Reinforcement Learning
Salary Award	Satvik	Kumar	Aerospace Engineering (AE)	Tejas	Puranik	COE	Aerospace Engineering	Classification and Analysis of Go-Arounds at San Francisco International Airport
Salary Award	Kangkyu	Kwon	Electrical Engineering (EE)	Woonhong	Yeo	COE	Mechanical Engineering	Development of Strain-Isolated Soft Wearable Bioelectronics for Wireless, Continuous Health Monitoring
Salary Award	Lan	Lan	Biomedical Engineering (BMED)	Omer	Inan	COE	Electrical and Computer Engineering	Changes in Joint Acoustic Emissions from the Knee Diurnally and After Simple Exercises
Salary Award	Hoyean	Le	Mechanical Engineering (ME)	Alexander	Alexev	COE	Mechanical Engineering	Simulation of red blood cells in the blood clotting process driven by platelet-fibrin contraction
Salary Award	Man Wo	Lui	Mechanical Engineering (ME)	David	Hu	COE	Mechanical Engineering	Utilizing a Wetted Wall Cyclone for Bioaerosol Detection
Salary Award	Rochan	Madhusudhana	Computer Science (CS)	Bruce	Walker	COC	Psychology	Visually Impaired Onboard Navigation (VISION)
Salary Award	Kristina	Malinowski	Materials Science and Engineering (MSE)	Mark	Losago	COE	Materials Science and Engineering	Asymmetric Vapor Phase Infiltration (VPI) to Achieve Highly Electrically Conductive and Stable VOC13 Doped P3HT Films
Salary Award	Vidhya	Mallikarjunan	Chemical and Biomolecular Engineering (CHBE)	Mark	Styczynski	COE	Chemical and Biomolecular Engineering	Developing a Low-Cost and Field-Deployable Biosensor for Hexavalent Chromium
Salary Award	Reagan	Mayo	Aerospace Engineering (AE)	Adam	Steinberg	COE	Aerospace Engineering	TDLAS Diagnostics
Salary Award	Holly	McCann	Biology (BIO)	Loren	Williams	COS	Chemistry and Biochemistry	Development of Advanced Online Tools for Visualization of Macromolecules
Salary Award	Zeel	Mehta	Biochemistry (BCHM)	Francesca	Storici	COS	Biological Sciences	Discovery of embedded ribonucleotides in genomic DNA from various human cell lines through ribose-seq
Salary Award	Kaiya	Mitchell	Biomedical Engineering (BMED)	Krishnendu	Roy	COE	Biomedical Engineering	Developing Tunable, Antigen-Presenting Nanoparticles for B Cell Manufacturing
Salary Award	Robert	Morgan	Computer Science (CS)	Soojin	Yi	COS	Biological Sciences	Allele-Specific Methylation on the X Chromosome
Salary Award	Sasikumaran	Nandakumar	Mechanical Engineering (ME)	Aaron	Young	COE	Mechanical Engineering	Augmenting Transparency in a Tethered Hip Exoskeleton
Salary Award	Isaac	Naupa Aguirre	Nuclear and Radiological Engineering (NRE)	Dan	Kotlyar	COE	Mechanical Engineering	DEVELOPMENT OF A SMALL MODULAR PRESSURIZED WATER REACTOR
Salary Award	Mark	Nissen	Biomedical Engineering (BMED)	Richard	Nichols	COS	Biological Sciences	The Effect of Mecamylamine and Dihydro- β -erythroidine on Renshaw Cell Recurrent Inhibition
Salary Award	Kenny	Oen	Industrial Engineering (IE)	Shihao	Yang	COE	Industrial and Systems Engineering	Autoimmune Effects of Lung Cancer Immunotherapy Revealed by Data-Driven Analysis on a Nationwide Cohort
Salary Award	Zachary	Olkin	Computer Engineering (CMPE)	Jonathan	Rogers	COE	Aerospace Engineering	Indoor Quadrotor Controller Design
Salary Award	Jeremy	Ortmann	Biomedical Engineering (BMED)	Chengzhi	Shi	COE	Mechanical Engineering	Improving organoid viability with pressurized microfluidic devices
Salary Award	Jamal	Paden	Computer Science (CS)	Alex	Enderit	COC	Interactive Computing	Bias Mouse: A Mouse with Haptic Feedback for Bias Mitigation in Visual Analytics Tasks
Salary Award	Hyunjun	Park	Biomedical Engineering (BMED)	Michael	Borich	COE	Biomedical Engineering	Applications of Haptics and VR in Motor Task Paradigms for Stroke Recovery
Salary Award	Devansh	Ponda	Computer Science (CS)	Sauvik	Das	COC	Interactive Computing	eXplainable Context-Aware Permissions (XCAP)
Salary Award	Sam	Quinn	Physics (PHYS)	Roman	Grigoriev	COS	Physics	Characterization of the Inverse Energy Cascade in 2D Fluid Turbulence
Salary Award	Vishwa	Ramkumar	Mechanical Engineering (ME)	Ye	Zhao	COE	Mechanical Engineering	Design for Modular SLAMBox and Robust Real-time SLAM Pipeline for Legged Robots
Salary Award	Alex	Redling	Aerospace Engineering (AE)	Tim	Lieuwen	COE	Aerospace Engineering	Investigation of Autoignition in the Film Cooling Layer of an RQL Combustor
Salary Award	Ariane	Richard	Biomedical Engineering (BMED)	Krishnendu	Roy	COE	Biomedical Engineering	Development of Microvascular Network with iPSC-ECFCs within a Microfluidic Model of Human Bone Marrow
Salary Award	Milan	Riddick	Biomedical Engineering (BMED)	Jennifer	Singh	IAC	History, Technology, and Society	Mistrust of the COVID-19 Vaccine Among Black Citizens of Georgia
Salary Award	Ira	Rosner	Aerospace Engineering (AE)	Brian	German	COE	Aerospace Engineering	Development of Variable Pitch Propellers and Control Algorithms for Noise Minimization of Subscale eVTOL Aircraft
Salary Award	Catherine	Rutledge	Biomedical Engineering (BMED)	Tina	Franklin	COE	Biomedical Engineering	Sex Differences in Microglia Response to Stress and Flicker
Salary Award	Alexander	Sahin	Mechanical Engineering (ME)	David	Hu	COE	Mechanical Engineering	Developing Mimics of Elephant Trunk Skin
Salary Award	Kartik	Saigal	Chemical and Biomolecular Engineering (CHBE)	Ryan	Lively	COE	Chemical and Biomolecular Engineering	Developing Type II Porous Liquid Isotherms for Gas Separations
Salary Award	RYOH-SUKE	SEKIYA	Chemical and Biomolecular Engineering (CHBE)	Christopher	Jones	COE	Chemical and Biomolecular Engineering	Mesoporous SBA-15 Silica Confined Poly(amines): Analyzing their Dynamics and CO2 Sorption Properties using Solid-State NMR
Salary Award	Hojin	Seo	Mechanical Engineering (ME)	Woon-Hong	Yeo	COE	Mechanical Engineering	Smart Mask - Automated Fit Alerting with Membrane Pressure Sensors for Healthcare Workers
Salary Award	Omar	Shaikh	Computer Science (CS)	Duen	Chau	COC	Computational Science & Engineering	EnergyVis: Interactively Tracking Energy Consumption in Deep Learning Models
Salary Award	Clinton	Smith	Biomedical Engineering (BMED)	Krishnendu	Roy	COE	Biomedical Engineering	Immunomodulatory Strategies to Restore T Cell Function and Immune Homeostasis Following Musculoskeletal Trauma
Salary Award	Yanni	Sporidis	Mechanical Engineering (ME)	Panagiotis	Tsiotras	COE	Aerospace Engineering	Optimization of Off-Road Performance Vehicle Suspension
Salary Award	Adith	Srivatsa	Biomedical Engineering (BMED)	Omer	Inan	COE	Electrical and Computer Engineering	Sternal Photoplethysmography from Cardiac Patch for Continuous Blood Pressure Assessment
Salary Award	Yujii	Takubo	Aerospace Engineering (AE)	Koki	Ho	COE	Aerospace Engineering	Spacecraft Design Integration to Space Logistics with Decomposition-Based Optimization
Salary Award	Noah	Teuscher	Computer Science (CS)	Thad	Starnier	COC	Interactive Computing	Teaching Piano with Passive Tactile Learning Gloves

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Salary Award	Yashvardhan	Tomar	Aerospace Engineering (AE)	Gongjie	Li	COS	Physics	Probing Planet-formation through the Tilt of Planetary Spin-axis
Salary Award	Sai	Varanasi	Mechanical Engineering (ME)	Marta	Hatzell	COE	Mechanical Engineering	Economic Considerations for Intermittent Electrochemical Ammonia Production
Salary Award	Rajan	Vivek	Electrical Engineering (EE)	Sonia	Chernova	COC	Interactive Computing	Concept-based Explanations for Smart Home Activity Recognition
Salary Award	Yiyang	Wang	Computer Science (CS)	John	Stasko	COC	Interactive Computing	Contact Tracing Visualization Tool Design and Implementation
Salary Award	Kendra	Washington	Biomedical Engineering (BMED)	Shuichi	Takayama	COE	Biomedical Engineering	The Effect of Viscosity on the Small Airway Epithelial Cell Cytokine Response and Cell Viability in Microfluidic Device Models
Salary Award	Cameron	Whaley	Economics (ECON)	Jason	Zutty	GTRI	GTRI	Increasing Network Complexity in Evolutionary Neural Architecture Search
Salary Award	Jonathan	Womack	Computer Science (CS)	Thad	Stamer	COC	Interactive Computing	SilentSpeller: Towards mobile, hands-free, silent speech text entry using electropalatography
Salary Award	Elizabeth	Wu	Chemical and Biomolecular Engineering (CHBE)	Hang	Lu	COE	Chemical and Biomolecular Engineering	Identifying the influence of a high glucose diet on longevity through the insulin-like signaling pathway using <i>C. elegans</i>
Salary Award	Grace	Xu	Chemical and Biomolecular Engineering (CHBE)	John	Blazek	COE	Chemical and Biomolecular Engineering	Engineering <i>Homo sapiens</i> adenosine deaminase isoform 1 (HsADA1) to resist aggregation for enhanced therapeutic efficacy
Salary Award	Helen	Yoo	Electrical Engineering (EE)	Aaron	Young	COE	Mechanical Engineering	Various IMU Orientations and Locations for Better Yield for the XGBoost Model of a Powered Knee-Ankle Prosthesis
Salary Award	Maxim	Zhelvabovskiv	Chemical and Biomolecular Engineering (CHBE)	Nian	Liu	COE	Chemical and Biomolecular Engineering	Membrane-less Zinc-Iodide Flow Battery with an Organic Complexing Agent
Salary Award	Xingwan	Zhu	Chemical and Biomolecular Engineering (CHBE)	Saad	Bhamla	COE	Chemical and Biomolecular Engineering	Understanding Biomechanics of <i>Rhagovelia obesa</i>
Salary Award	Alexander	Zimmer	Civil Engineering (CE)	Chris	Lai	COE	Civil and Environmental Engineering	Quantifying Glacier Melt by Ocean Plumes Using Novel Laboratory Experiments
Travel Award	Prerna	Ravi	Computer Science (CS)	Neha	Kumar	COC	Interactive Computing	The Pandemic Shift to Remote Learning under Resource Constraints
Travel Award	Benjamin	Ahn	Biology (BIO)	Levi	Wood	COE	Mechanical Engineering	Microglia Regulation of Pro-inflammatory Dynamics in Alzheimer's Diseased Mice
Travel Award	Hojin	Seo	Mechanical Engineering (ME)	Woon-hong	Yeo	COE	Mechanical Engineering	Inverse Kinematics of a Parallel Mechanism with an Offset Structural Design for Prosthetic Wrist Motions
Travel Award	Christine	Cheng	Chemical and Biomolecular Engineering (CHBE)	Woon-Hong	Yeo	COE	Mechanical Engineering	Soft, Nanomembrane, Wireless Multifunctional Sensing System for Pediatric Nerve Sensory Feedback
Travel Award	Paige	Wise	Earth and Atmospheric Sciences (EAS)	Yuanzhi	Tang	COS	Earth and Atmospheric Sciences	Rare Earth Elements Adsorption on Kaolinite
Travel Award	Mary	Gale	Biomedical Engineering (BMED)	Maysam	Nezafati	COE	Biomedical Engineering	Complexity Analysis of Resting-State and Task fMRI Using Multiscale Sample Entropy
Travel Award	Alice	Ponte	Computer Science (CS)	Wade	Bloomquist	COS	Mathematics	Filling Curves on Surfaces