

Award Type	First Name	Last Name	Major	Mentor First Name	Mentor Last Name	Mentor Department	College	Project Title
Salary Award	Omar	Abed	Aerospace Engineering (AE)	Gökcin	Cinar	Aerospace Engineering	COE	Preliminary Assessment of Integrating Electrified Aircraft Propulsion Technologies using Design Space Exploration Methods
Salary Award	Agarwal	Sudhanshu	Computer Science (CS)	Richard	Vuduc	Computational Science & Engineering	COE	Modeling Movement of Fish
Salary Award	Kelly	Ahkec	Biomedical Engineering (BMED)	Todd	Sulchek	Mechanical Engineering	COE	Investigating the biomechanical properties of cells undergoing pyroptosis associated with viral infections such as SARS-CoV-2
Salary Award	Benjamin	Ahn	Biology (BIO)	Levi	Wood	Mechanical Engineering	COE	Developing a Novel Control System to Actively Regulate Microglial Activation with Inflammatory Factors in Microfluidic Devices
Salary Award	Tarab	Ajian	Chemistry (CHEM)	M.G.	Finn	Chemistry and Biochemistry	COE	Encapsulation of Universal T-Cell Epitopes for Extended Immunogenicity of Virus-like Particle Glycoconjugate Vaccines
Salary Award	Lasva	Akshara	Industrial Engineering (IE)	Siva	Maguluri	Industrial and Systems Engineering	COS	Expanding on the Q-learning Algorithm: Performance Analysis through Empirical Experiments
Salary Award	Anjana	Anandkumar	Industrial Engineering (IE)	Dima	Nazzari	Industrial and Systems Engineering	COE	Georgia Elections Poll Location Simulation and Machine Optimization
Salary Award	Matthew	Arnold	Music Technology (MUSIC)	Alexander	Lerch	Music	COE	Switching It Up: An Examination of Cross-Exercise Predictions for Music Performance Assessment
Salary Award	John	Berman	Biology (BIO)	Flavio	Fenton	Physics	COS	Construction of an Interactive 3D Human Heart Simulation Via Cardiac Chamber Segmentation
Salary Award	Elizabeth	Beveridge	Neuroscience (NEURO)	Thachery	Brown	Psychology	COS	How Do Individuals Use Past Experiences to Make Decisions during Spatial Navigation
Salary Award	Taylor	Blanchard	Mechanical Engineering (ME)	Jeffrey	Davis	Electrical and Computer Engineering	COE	Increasing Energy Storage Efficiency Through Ferrofluids
Salary Award	Joseph	Boone	Industrial Engineering (IE)	Christos	Alexopoulos	Industrial and Systems Engineering	COE	A Sequential Method for Estimation of Marginal Quantiles in Steady-State Simulations
Salary Award	Sydney	Bules	Biomedical Engineering (BMED)	Todd	Sulchek	Mechanical Engineering	COE	Investigating the Temporal Dynamics of Cancer Cell Metabolic and Biomechanical Changes Following Chemotherapeutic Treatment
Salary Award	Matthew	Burg	Mechanical Engineering (ME)	Zhuomin	Zhang	Mechanical Engineering	COE	Photon Tunneling in Near-Field Thermophotovoltaic (TPV) Cells
Salary Award	Jun	Chen	Computer Science (CS)	Hyesoon	Kim	Computer Science	COE	Optimize Position of Swarms of Unmanned Aerial Vehicles in Millimeter Wave Directional Links for Maximization of Throughput in U
Salary Award	Anna	Cobb	Mechanical Engineering (ME)	Timothy	Lieuwen	Aerospace Engineering	COE	Developing Flame Transfer Function through Analysis of PMT Data
Salary Award	Elisabeth	Cross	Computer Science (CS)	Courteney	Crooks	Psychology	COS	Influence and Vulnerability in the Information Environment
Salary Award	Cheick	Dosso	Chemical and Biomolecular Engineering (CHBE)	Julie	Champion	Chemical and Biomolecular Engineering	COE	Nanotextured Stainless-Steel as an innovative antimicrobial surface
Salary Award	Hubert	Elly	Electrical Engineering (EE)	Slyh-Chiang	Shen	Electrical and Computer Engineering	COE	Near Ultraviolet GaN MicroLEDs
Salary Award	Eva	Erickson	Physics (PHYS)	Dan	Goldman	Physics	COS	Locomotion of Centipedes on Complex Terrain
Salary Award	Carollann	Espy	Biochemistry (BCHM)	Ingeborg	Schmidt-Krey	Biological Sciences	COS	Structure-function studies of a large protein complex critical to photosynthesis
Salary Award	Charles	Evans	Aerospace Engineering (AE)	Timothy	Lieuwen	Aerospace Engineering	COE	Interaction of Flames with an Effusion Cooling Film
Salary Award	Vishesh	Gattani	Mechanical Engineering (ME)	Ellen	Mazumdar	Mechanical Engineering	COE	Soft Robotic Systems with Carbon Black Pressure and Tensile Stress Sensors
Salary Award	Maxwell	Guo	Chemistry (CHEM)	Christoph	Fahmi	Chemistry and Biochemistry	COS	Rational design of donor-acceptor fluorophores for light-sheet microscopy
Salary Award	Byva	Hails	Mechanical Engineering (ME)	Oliver	Brand	Electrical and Computer Engineering	COE	Rapid Prototyping of Embedded Fluidic Property Sensors
Salary Award	Kyra	Halbert-Elliott	Biomedical Engineering (BMED)	Ajit	Yogamathan	Biomedical Engineering	COE	Impact of Positioning Error on PVL in Patient-Specific TAVR Modelling
Salary Award	Dong Heon	Han	Mechanical Engineering (ME)	Ye	Zhao	Mechanical Engineering	COE	Computer-Aided Manufacturing and Dynamic Analysis of a Six Degrees of Freedom Stewart Platform Manipulator
Salary Award	Madeleine	Hardt	Earth and Atmospheric Sciences (EAS)	Kim	Cobb	Earth and Atmospheric Sciences	COS	Investigating the impact of thermal stress on the reliability of coral Sr/Ca and $\delta^{18}O$
Salary Award	Jahnavi	Harani	Aerospace Engineering (AE)	Jonnalagadda V R	Prasad	Aerospace Engineering	COE	Application of the Combined Momentum Theory Simple Vortex Theory (CMTSVT) Model in the Preliminary Design of Multi-Rotor UAV's
Salary Award	Yasmeen	Ismail	Biomedical Engineering (BMED)	Wei	Sun	Biomedical Engineering	COE	Biomechanical Characterization of Aortic Dissection Propagation under Cyclic Loads
Salary Award	Manav	Jain	Biomedical Engineering (BMED)	Krish	Roy	Biomedical Engineering	COE	Development of Functionalized Degradable Microscaffolds for Increased Memory T Cell Expansion
Salary Award	Ayush	Jain	Materials Science and Engineering (MSE)	Muneeb	Za	Electrical and Computer Engineering	COE	Development of PEDOT Coatings for Rough 3D Gold Electrodes
Salary Award	Sunny	Jim	Neuroscience (NEURO)	Dobromir	Rahnev	Psychology	COS	Metacognition and the Confidence Database
Salary Award	James	Joh	Electrical Engineering (EE)	Aaron	Young	Mechanical Engineering	COE	Effects of a Powered Hip Exoskeleton on Gait Compensatory Movements of Persons Post-Stroke
Salary Award	Max	Karpawich	Computer Science (CS)	Michael	Best	International Affairs	IAC	The Aggie Platform: Monitoring Disinformation and Hate Speech Online During Election Season for Developing Democracies
Salary Award	Kyungil	Kim	Chemical and Biomolecular Engineering (CHBE)	Seung Soon	Jung	Materials Science and Engineering	COE	Effect of Hydration on CO ₂ Capture in Hyperbranched Polyethylenimine Membranes: Molecular Dynamics Simulation Approach
Salary Award	Yi	Li	Electrical Engineering (EE)	Shyh-Chiang	Shen	Electrical and Computer Engineering	COE	Simulation and Characterization of GaN based Thyristor
Salary Award	Bryanna	Lima	Biomedical Engineering (BMED)	Frank	Hammond	Mechanical Engineering	COE	Design and Evaluation of a Haptic Display to Enable Proprioception in Non-Anthropomorphic Robotic Prosthesis
Salary Award	Amy	Liu	Biomedical Engineering (BMED)	Shuichi	Takayama	Biomedical Engineering	COE	Shear Stress-Induced Maturation of Apical-Out Kidney Proximal Tubule Organoids
Salary Award	Benjamin	Magondi	Biomedical Engineering (BMED)	David	Hu	Mechanical Engineering	COE	Fracture Mechanics of Pelleted Feces Within Mammals
Salary Award	Matthew	Manion	Chemical and Biomolecular Engineering (CHBE)	John	Blazsek	Chemical and Biomolecular Engineering	COE	Engineering Metabolically Enhanced T cell Therapies Targeting Immunosuppressive Metabolites
Salary Award	Illey	Mimmo	Materials Science and Engineering (MSE)	Mark	Losogio	Materials Science and Engineering	COE	Creating UV-Stable Hybrid Azo-PET Fabrics by Varying Precursor to Substrate Ratio in Vapor Phase Infiltration
Salary Award	Aman	Marfatia	Computer Science (CS)	Hissoun	Kim	Computer Science	COC	Hardware Acceleration Sparse Matrix Vector Multiplication with FPGAs
Salary Award	Cassandra	McIlrost	Biomedical Engineering (BMED)	Michael	Borich	Biomedical Engineering	COE	Investigating the predictive utility of clinical MRI biomarkers for post-stroke motor recovery
Salary Award	Emma	Menardi	Public Policy (PUBP)	Chad	Slieper	Public Policy	IAC	State Statutes and Mitigating Stigma as a Barrier to Care for Adolescents at Risk for HIV
Salary Award	Ali	Mirzazadeh	Computer Science (CS)	Gregory	Abowd	Interactive Computing	COC	Self-Powered BLE Backscatter Communication
Salary Award	Samantha	Mitra	Materials Science and Engineering (MSE)	Faisal	Alamgir	Materials Science and Engineering	COE	Developing an in-situ electrochemical cell for x-ray absorption spectroscopy
Salary Award	Ohwafikayo	Oshinowo	Aerospace Engineering (AE)	Alexander	Alexeev	Mechanical Engineering	COE	Synergistic control of a bio-inspired swimmer
Salary Award	Siddhanta	Panda	Computer Engineering (CMPE)	Andrew	Peterson	Electrical and Computer Engineering	COE	Development of Control Architectures for Precise Low Earth Orbit Satellite Tracking via Computer Controlled RADAR Systems
Salary Award	Dilip	Paruchuri	Electrical Engineering (EE)	Craig	Forest	Mechanical Engineering	COE	Interactive, Automated Live Cell Detection using Deep Learning for Acute Brain Slice Electrophysiology
Salary Award	Isabela	Pavkov	Biochemistry (BCHM)	Stephen	Diggle	Biological Sciences	COS	Reference-based de novo genome assembly of clinical Pseudomonas aeruginosa isolates
Salary Award	Jasmyne	Pellebon	Biology (BIO)	I. King	Jordan	Biological Sciences	COS	Improving the Yield of Cascade Screening
Salary Award	Dhruv	Prakash	Materials Science and Engineering (MSE)	Matthew	McDowell	Materials Science and Engineering	COE	Understanding the Real-Time Degradation Mechanisms of Solid-State Lithium-Ion Batteries Using Optical Microscopy
Salary Award	Pranav	Pusarla	Computer Science (CS)	Yan	Wang	Mechanical Engineering	COE	Multi-Fidelity Physics Constrained Neural Network with Minimax Architecture
Salary Award	Daniel	Ranke	Materials Science and Engineering (MSE)	Juan-Pablo	Correa-Baena	Materials Science and Engineering	COE	Fabrication of large-area perovskites with hybrid two-step deposition
Salary Award	Matthew	Repsky	Physics (PHYS)	Yao	Xie	Industrial and Systems Engineering	COE	Modeling Material Degradation with Diffusion-Based Gaussian Process Regression
Salary Award	Milan	Raddick	Biomedical Engineering (BMED)	Jennifer	Singh	History, Technology, and Society	IAC	Mistrust of the COVID-19 Vaccine: Where does it stem from and how does it vary across generations of Black Americans in Georgia?
Salary Award	Bruno	Rago	Electrical Engineering (EE)	Woon-Hong	Yeo	Mechanical Engineering	COE	Wireless, Soft Arterial Strain Sensor System for Restenosis Monitoring
Salary Award	Sanket	Sane	Mechanical Engineering (ME)	Ashirban	Mazumdar	Mechanical Engineering	COE	Real-time Torque Feedback for Reducing High Load Human Behaviors
Salary Award	Selin	Sari	Industrial Engineering (IE)	Jae-Chwi	Lu	Industrial and Systems Engineering	COE	AIRPORT PLANE OVERNIGHT PARKING ASSIGNMENT
Salary Award	Omar	Shaikh	Computer Science (CS)	Duen	Chau	Computational Science & Engineering	COC	EnergyVis: Interactively Tracking Energy Consumption in Deep Learning Models
Salary Award	Mayur	Singh	Mechanical Engineering (ME)	Satish	Kumar	Mechanical Engineering	COE	Thermal Management of Hot Spot for Portable Electronics
Salary Award	Matthew	So	Computer Science (CS)	Thad	Stamer	Interactive Computing	COC	Improving Generative Fingerspelling among Hearing Parents through Games
Salary Award	Qianyi	Sun	Music Technology (MUSIC)	Chair	Arthur	Music	COD	Computational Ethnomusicology—Melodic Analysis on Traditional Beijing Opera
Salary Award	Emily	Surry	Nuclear and Radiological Engineering (NRE)	Nolan	Hertel	Mechanical Engineering	COE	Studying Linear Energy Transfer from Neutron Sources Related to Radiation in Space
Salary Award	Yue	Teng	Electrical Engineering (EE)	Mark	Davenport	Electrical and Computer Engineering	COE	Range-Only Simultaneous Localization and Mapping using Paired Comparisons
Salary Award	Sarkis	Ter Martirosyan	Electrical Engineering (EE)	Stamislav	Emelianov	Electrical and Computer Engineering	COE	Shear Wave Elasticity Imaging for Noninvasive Assessment of Biomechanical Properties
Salary Award	Anabella	Tolosa	Neuroscience (NEURO)	Mark	Wheeler	Psychology	COS	The Role of REM Sleep Theta Oscillations for Associative Memory in Young Adults
Salary Award	Luke	Tomasovic	Chemical and Biomolecular Engineering (CHBE)	Ravi	Kane	Chemical and Biomolecular Engineering	COE	Designing a Broadly-Protective Staphylococcus Aureus Vaccine by Nanopatterning Cytolytic Antigens
Salary Award	Griffin	Wagner	Computer Science (CS)	Jeanette	Yen	Biological Sciences	COS	Breaking the Chain: Disrupting Guinea Worm Disease Transmission by Targeting the Copepod Host
Salary Award	Runyit	Wang	Biology (BIO)	John	Varga	Biological Sciences	COS	Interaction between Burkholderia cenocepacia and Staphylococcus aureus in Presence of Meropenem
Salary Award	Ethan	Wang	Computer Science (CS)	Tuo	Zhao	Industrial and Systems Engineering	COE	A Principled Permutation-invariant Approach to Multiagent Reinforcement Learning
Salary Award	Katherine	Weatherax	Electrical Engineering (EE)	Gregory	Durgin	Electrical and Computer Engineering	COE	Finite Element Method Modeling of a Heart to Determine Outside Factors on Seismocardiograms
Salary Award	Samuel	Weiss-Cowie	Neuroscience (NEURO)	Audrey	Duarte	Psychology	COS	A Meta-Analysis of Autobiographical Memory in Depression
Salary Award	Ashley	Wilson	Biology (BIO)	Brian	Hammer	Biological Sciences	COS	An Investigation Into the Multiple Type VI Secretion Systems of Enterobacter Cloacae
Salary Award	Sam	Winegardner	Aerospace Engineering (AE)	Julian	Rimoli	Aerospace Engineering	COS	Development of a Soft Robotics Tensegrity Rover for Planetary Exploration
Salary Award	Manlin	Xu	Earth and Atmospheric Sciences (EAS)	Jennifer	Glass	Earth and Atmospheric Sciences	COS	Characterizing clathrate-binding protein biogeography: Exploring the global distribution of clathrate-binding microbial proteins
Salary Award	Srisurya	Yadavalli	Physics (PHYS)	Tamara	Bogdanovic	Physics	COS	Pairing of Supersymmetric Black Holes in Merger Remnant Galaxies
Salary Award	William	York	Biomedical Engineering (BMED)	Edward	Bochevny	Biomedical Engineering	COE	Increasing Exosome Production by Mesenchymal Stem Cells in Bacterial Sphingomyelinase-Conjugated PEG-MAL Hydrogels
Salary Award	Alexander	Yu	Mechanical Engineering (ME)	Aaron	Young	Mechanical Engineering	COE	Gait Parameter Estimation with Machine Learning
Travel Award	Mary	Gale	Biomedical Engineering (BMED)	Maysam	Nezafati	Biomedical Engineering	COE	Multiscale sample entropy analysis of resting-state and task fMRI
Travel Award	Derek	Prusemer	Biomedical Engineering (BMED)	Maysam	Nezafati	Biomedical Engineering	COE	Restraint System for Motion Studies in MRI Studies of Awake Mice