

Award Type	First Name	Last Name	Major	Mentor First Name	Mentor Last Name	Mentor College	Mentor Department	Project Title
Salary Award	Hailey	Akins	Chemistry (CHEM)	Henry	La Pierre	COS	Chemistry and Biochemistry	Synthesis of Siloxide Ligand for the Isolation of High Valent Lanthanide Species
Salary Award	John	Berman	Biology (BIO)	Flavio	Fenton	COS	Physics	Improving the Accuracy of a 3D Human Heart Model Via Integration of Tissue Heterogeneity
Salary Award	Elizabeth	Beveridge	Neuroscience (NEURO)	Thackery	Brown	COS	Psychology	How stress affects decision making and how these effects differ between genders
Salary Award	Bareesh	Bhaduri	Electrical Engineering (EE)	Chethan	Pandarinath	COE	Biomedical Engineering	Real-time Neural Network Inference for Brain-Computer Interfaces
Salary Award	Rachel	Bond	Neuroscience (NEURO)	Christina	Ragan	COS	Biological Sciences	Examining Cortisol Levels and Social Interactions in Foster Mother and Offspring Sumatran Orangutans
Salary Award	Joshua	Brandt	Physics (PHYS)	Laura	Cadonati	COS	Physics	Improving Parameter Estimation of LIGO Data In Preparation for Its Fourth Observing Run
Salary Award	Madeline	Burkey	Aerospace Engineering (AE)	Lakshmi	Sankar	COE	Aerospace Engineering	Computational Modeling of Airfoil Performance in Rain
Salary Award	Cailey	Carpenter	Chemistry (CHEM)	Joseph	Sadighi	COS	Chemistry and Biochemistry	Synthesis of Copper-Bound N-Heterocyclic Carbene Thiolates for the Reductive Coupling of Carbon Monoxide
Salary Award	Brian	Cheng	Biomedical Engineering (BMED)	Francisco	Robles	COE	Biomedical Engineering	Virtual Hematoxylin and Eosin Staining of qOBM Images on Rat Brain Tumor using Deep Neural Network
Salary Award	Jeongwoo	Cho	Mechanical Engineering (ME)	Aaron	Young	COE	Mechanical Engineering	Adaptive Machine Learning Pipeline for Real Time Slope Estimation of a Powered Knee-Ankle Prosthesis Using Convolutional Neural
Salary Award	Thomas	Contis	Electrical Engineering (EE)	Omer	Inan	COE	Electrical and Computer Engineering	Motion-Sensitive Biomechanical Measurement Algorithm for Evaluating Ankle Health
Salary Award	Luca	Cotter	Computer Science (CS)	Ali	Adibi	COE	Electrical and Computer Engineering	Artificial Intelligence-based Labeling Tool for Severity Assessment of Medical Imaging with a Focus on COVID-19 Pneumonia
Salary Award	Megan	Dass	Computer Science (CS)	Sonia	Chernova	COC	Interactive Computing	Daily Routine Prediction and Abnormality Detection for In-Home ElderCare
Salary Award	Nicholas	Dentice	Materials Science and Engineering (MSE)	Mark	Losego	COE	Materials Science and Engineering	Investigating Thermal and Oxidative Stability of C60 Thin Films
Salary Award	Kathryn	Earles	Public Policy (PUBP)	Nadiya	Kostyuk	IAC	Public Policy	The Institutionalization of Cyber Diplomacy
Salary Award	Charles	Evans	Aerospace Engineering (AE)	Tim	Lieuwen	COE	Aerospace Engineering	Effects of Unmixedness on Film Cooling Effectiveness
Salary Award	Kristen	Farmer	History, Technology, and Society (HTS)	Juliana	Viezure	IAC	History, Technology, and Society	Rome's Damatio Memoriae and Confederate Monuments
Salary Award	Emily	Glatter	Biochemistry (BCHM)	Vinayak	Agarwal	COS	Chemistry and Biochemistry	Genetic and biochemical exploration of the production of reactive oxygen species and bromoform in seaweeds
Salary Award	Saranya	Gourisetti	Biology (BIO)	William	Ratchiff	COS	Biological Sciences	Studying the Reversion from Multicellularity to Unicellularity by Experimental Evolution of Snowflake Yeast
Salary Award	Eva	Greiner	Biomedical Engineering (BMED)	Flavio	Fenton	COS	Physics	Quantifying Chaotic Cardiac Dynamics in Frog Hearts
Salary Award	Hongyu	Guo	Computer Engineering (CPE)	Gregory	Durgin	COE	Electrical and Computer Engineering	Quantitative Comparison of iSenSys Multi-sensor Platform to Commercial Gas Sensor Arrays
Salary Award	Leah	Hornsey	Earth and Atmospheric Sciences (EAS)	Wing	Chu	COS	Earth and Atmospheric Sciences	Store Glacier Basal Melting and its Hydrological Implications
Salary Award	Andrew	Jeong	Chemistry (CHEM)	M.G.	Finn	COS	Chemistry and Biochemistry	Circular Permutation of PP7*PP7 Virus-Like Particle
Salary Award	Emily	Kaufman	Neuroscience (NEURO)	Saad	Bhamla	COE	Chemical and Biomolecular Engineering	Collective Foraging in Lumbriculus Variegatus
Salary Award	Alexander	Kelso	Computer Science (CS)	Wei	Xu	COC	Interactive Computing	Novel Techniques for Spanish Text Alignment in Text Simplification
Salary Award	Jeyan	Kirtav	Biomedical Engineering (BMED)	Lakshmi	Dasi	COE	Biomedical Engineering	Optimization of Wireless Centrifugal LVAD Rotor Design to Decrease Blood Damage
Salary Award	Velin	Kojouharov	Mechanical Engineering (ME)	Daniel	Goldman	COS	Physics	Design, Control and Motion Planning of a Tendon-Actuated Limbless Robot for Unprecedented Mobility in Complex Terrain
Salary Award	Elisa	Koolman	Mechanical Engineering (ME)	Katherine	Fu	COE	Mechanical Engineering	Development and Assessment of an Authentic Learning Assignment Applied in a Fluid Mechanics Course for Increased Critical Thinki
Salary Award	Sparsh	Kudrimoti	Mechanical Engineering (ME)	Greg	Sawicki	COE	Mechanical Engineering	Development of a Computational Tool to Estimate Muscle Activations from Musculoskeletal Simulations
Salary Award	Rani	Kumar	Biomedical Engineering (BMED)	M.G.	Finn	COS	Chemistry and Biochemistry	Modification of Polytriazoles for Hydrocarbon and Aqueous Membrane Separations
Salary Award	Namkhang	Le	Chemical and Biomolecular Engineering (CHBE)	Nian	Liu	COE	Chemical and Biomolecular Engineering	3D Electrodes for High-Performance Zinc-Air Rechargeable Batteries Based on Zinc Peroxide Chemistry
Salary Award	Gabriella	Lee	Electrical Engineering (EE)	Thad	Stamer	COC	Interactive Computing	A More Effective Non-Invasive Brain Computer Interface Using Tripolar Concentric Ring Electrodes and Driving Right Leg
Salary Award	Daniel	Lewis	Biomedical Engineering (BMED)	Woon-Hong	Yeo	COE	Mechanical Engineering	Disposable, Band-Aid-like, Cardiac Biometric Device for Enhanced User Security
Salary Award	Tyler	Lizzo	Computer Engineering (CPE)	Ying	Zhang	COE	Electrical and Computer Engineering	LSTM-based Model Predictive Control for Heat Dissipation of Bio-Implants
Salary Award	Anna	Lumms	Mechanical Engineering (ME)	Katherine	Fu	COE	Mechanical Engineering	Using post-assessment reflection to influence student critical thinking levels and self-efficacy
Salary Award	Hoang	Ly	Civil Engineering (CE)	John	Taylor	COE	Civil and Environmental Engineering	Predicting the effect of The Midtown Connector on pedestrian social interactions
Salary Award	Wesley	Mann	Physics (PHYS)	Sven	Simon	COS	Earth and Atmospheric Sciences	Modeling Jupiter's Magnetic Environment Using Magnetic Field Data from Past and Ongoing Spacecraft Missions
Salary Award	Thomas	Marchese	Materials Science and Engineering (MSE)	Matthew	McDowell	COE	Materials Science and Engineering	Understanding Soft Metal Anode Solid-Solid Interfacial Contact Evolution Through Array Indentation for Solid State Batteries
Salary Award	Nicole	McClelland	Materials Science and Engineering (MSE)	Mark	Losego	COE	Materials Science and Engineering	Optimizing the dye uptake and sustainability of hybrid AlOx/poly(ethylene)terephthalate fabrics created via Vapor Phase Infiltrat
Salary Award	Morgan	McGuinn	Industrial Engineering (IE)	Baahak	Ashuri	COD	Building Construction	ET HOME Micromobility
Salary Award	Michael	Mendelson	Biomedical Engineering (BMED)	Eva	Dyer	COE	Biomedical Engineering	Using deep learning to decode signatures of exploration and exploitation in human decision making
Salary Award	Achintya	Mohan	Computer Engineering (CPE)	Ye	Zhao	COE	Mechanical Engineering	Routing Cables in 3D Space Using Soft Tactile Sensors
Salary Award	Emily	Moore	Biochemistry (BCHM)	M.G.	Finn	COS	Chemistry and Biochemistry	AHA Incorporation into the PP7 VLP
Salary Award	Hirschel	Nambiar	Biomedical Engineering (BMED)	Muralidhar	Padala	COE	Biomedical Engineering	In-vitro Investigation of three Emerging Heart Valve Implants: Cardiac Leaflet Enhancer, Polares, and Half-moon
Salary Award	Vishva	Natarajan	Biology (BIO)	Matthew	Torres	COS	Biological Sciences	Do Post-Translational Modifications affect docking of small molecule drugs?
Salary Award	Quan	Nguyen	Chemical and Biomolecular Engineering (CHBE)	Joshua	Weitz	COS	Biological Sciences	Multivariate time-series analysis modeling for SARS-CoV-2 event risk assessment in the United States counties
Salary Award	Cuong	Nguyen	Computer Science (CS)	Munmun	De Choudhury	COC	Interactive Computing	Cross-Platform Detection of Schizophrenia Through Multimodal Patient-Contributed Social Media Data
Salary Award	Xinpei	Ni	Mechanical Engineering (ME)	Ye	Zhao	COE	Mechanical Engineering	Development of a Human-Robot Collaboration Team with Safety Guarantee by Control Barrier Functions
Salary Award	Ugonna	Nwankwo	Electrical Engineering (EE)	Omer	Inan	COE	Electrical and Computer Engineering	Finite Element Method Modeling of the Heart to Determine Generative Factors of the Seismocardiogram
Salary Award	Wei	Pao	Mechanical Engineering (ME)	Ye	Zhao	COE	Mechanical Engineering	Underactuated Motion Planning and Control for Bipedal Robot Running and Jumping
Salary Award	Sarah	Pennebaker	Neuroscience (NEURO)	Tina	Franklin	COE	Biomedical Engineering	The Association of Astrocyte Reactivity with Chronic Stress and Audiovisual Flicker
Salary Award	Madeleine	Pollack	Industrial Engineering (IE)	Lauren	Steimle	COE	Industrial and Systems Engineering	Strategies for Mitigating Statistical Error in Markov Decision Processes for Medical Decision-Making
Salary Award	Javier	Pratdesaba	Chemical and Biomolecular Engineering (CHBE)	Nian	Liu	COE	Chemical and Biomolecular Engineering	High-Throughput Electrochemical Extraction of Lithium from Seawater via Co-Axial Microtubular Flow Device
Salary Award	Adam	Proffil	Industrial Engineering (IE)	Siva Theja	Maguluri	COE	Industrial and Systems Engineering	Parallel server queueing without complete resource pooling conditions
Salary Award	Alexander	Puckhaber	Computer Science (CS)	Hyssoon	Kim	COC	Computer Science	RISC-V Drone: Reconfigurable Hardware for Mobile Robots
Salary Award	Nadia	Qutob	Physics (PHYS)	Laura	Cadonati	COS	Physics	Gravitational Waveform Reconstruction of LIGO-VIRGO O3 & O4 Data
Salary Award	Rachel	Rigsbee	Environmental Engineering (ENVE)	Kostas	Konstantinidis	COE	Civil and Environmental Engineering	Polymide Degradation in Built and Natural Environments
Salary Award	Georgia	Saks	Biomedical Engineering (BMED)	Omer	Inan	COE	Electrical and Computer Engineering	Leveraging the Electrogastragram to Study Transcutaneous Cervical Vagus Nerve Stimulation Effects on Stress and Gastrointestinal
Salary Award	Hritik	Sapra	Computer Science (CS)	Sonia	Chernova	COC	Interactive Computing	Anticipatory Human-Robot Collaboration via Multi-Objective Trajectory Optimization
Salary Award	Aram	Shajii	Biomedical Engineering (BMED)	James	Dahlman	COE	Biomedical Engineering	Lipid nanoparticle-mediated nebulized delivery of therapeutic mRNA to the lungs
Salary Award	Aditya	Singh	Computer Engineering (CPE)	Omer	Inan	COE	Electrical and Computer Engineering	Finite Element Method Modeling of the Heart to Determine Generative Factors of the Seismocardiogram
Salary Award	Mohit	Singh	Electrical Engineering (EE)	Gregory	Durgin	COE	Electrical and Computer Engineering	Teleoperation of Semi-Autonomous Robots Through Uncertain Environments
Salary Award	Sarasit	Sirawattanakul	Mechanical Engineering (ME)	Aaron	Young	COE	Mechanical Engineering	X-spine (Active Spine/Back Exoskeleton) for Assistive and Preventive Application
Salary Award	Matthew	So	Computer Science (CS)	Thad	Stamer	COC	Interactive Computing	ASL Fingerspelling Recognition Applications in Instruction
Salary Award	Priva	Soneji	Mechanical Engineering (ME)	Saad	Bhamla	COE	Chemical and Biomolecular Engineering	Tracoscope: A low-cost open tracking scope for STEM
Salary Award	John	Sullivan	Physics (PHYS)	Laura	Cadonati	COS	Physics	Instrumental Noise Transient Characterization and Removal for Future LIGO-Virgo-KAGRA Observing Runs
Salary Award	Srirakshaa	Sundararaj	Neuroscience (NEURO)	Omer	Inan	COE	Electrical and Computer Engineering	Studying the Dynamics of Transcutaneous Cervical Vagus Nerve Stimulation-Induced Autonomic Effects at Hour-Long Timescales
Salary Award	Kevin	Swamy	Biomedical Engineering (BMED)	Lakshmi	Dasi	COE	Biomedical Engineering	Software Development for Advanced TAVR-in-TAVR Surgical Planning
Salary Award	Vanesa	Vargas	Neuroscience (NEURO)	Annabelle	Singer	COE	Biomedical Engineering	The Immediate Effects of Gamma Frequency Audio-Visual Stimulation in Healthy Young Adults
Salary Award	Keshav	Vasudeva	Mechanical Engineering (ME)	Minami	Yoda	COE	Mechanical Engineering	Evaluation of Supercritical Carbon Dioxide as a Coolant in Magnetic Confinement Fusion Energy Reactors
Salary Award	Elliot	Willner	Applied Mathematics (MATH)	David	Hu	COE	Mechanical Engineering	Few ants construct altering rafts in different lighting circumstances
Salary Award	Emily	Yan	Biomedical Engineering (BMED)	Woonhong	Yeo	COE	Mechanical Engineering	Soft, Wearable Ambulatory Cardiopulmonary Auscultation Patch for Wireless, Continuous Health Monitoring
Salary Award	Teema	Yassine	Biomedical Engineering (BMED)	Annabelle	Singer	COE	Biomedical Engineering	Automating a Virtual Reality Behavioral Task in Mice to Investigate Prospective Coding

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Salary Award	David	Yoo	Industrial Engineering (IE)	Baabak	Ashuri	COD	Building Construction	3D Simulation Analysis for Enhancing Road Safety on Georgia Tech Campus
Salary Award	Harley	Yopp	Biology (BIO)	William	Ratcliff	COS	Biological Sciences	Selecting for reversion of unicellularity from multicellularity long-term evolution experiment
Salary Award	William	York	Biomedical Engineering (BMED)	Edward	Botchwey	COE	Biomedical Engineering	Bacterial Sphingomyelinase-Conjugated PEG-4MAL Hydrogels Stimulates Exosome Production in Mesenchymal Stem Cells
Salary Award	Shanlong	Yu	Mechanical Engineering (ME)	Jun	Ueda	COE	Mechanical Engineering	Encrypted Motion Control with Industrial Robots using Robot Operating System
Salary Award	Yunuo	Zhang	Computer Science (CS)	Thad	Stamer	COC	Interactive Computing	EEG-based Silent Interface for Head Mounted Display with DgRL and TCRE in Non-Laboratory Settings
Salary Award	Margaret	Zhang	Mechanical Engineering (ME)	David	Hu	COE	Mechanical Engineering	Vaccinating Invasive Species Using Computer Vision Aided Feeders
Travel Award	Othman	Alrawi	Physics (PHYS)	Elisabetta	Matsumoto	COS	Physics	Realtime Vector Field Rendering in Unity Game Engine for STEM Education.
Travel Award	Asher	Altman	Biomedical Engineering (BMED)	Yongsheng	Chen	COE	Civil and Environmental Engineering	A Recurrent Neural Network Model Development for Lettuce Growth Prediction
Travel Award	Asher	Altman	Biomedical Engineering (BMED)	Denis	Tsygankov	COE	Biomedical Engineering	Establishing the role of DAG1 and PALS1 in the development of different types of Cerebral Cavemous Malformation
Travel Award	Madeline	Boyle	Biomedical Engineering (BMED)	David	Hu	COE	Mechanical Engineering	Asymmetric Elongation of Elephant Trunks
Travel Award	Joshua	Brandt	Physics (PHYS)	Laura	Cadonati	COS	Physics	Parameter estimation of gravitational wave events near instrumental noise
Travel Award	Joseph	Brunner	Physics (PHYS)	Daniel	Goldman	COS	Physics	Investigating Orbits of a Textbook Mass-Pulley System
Travel Award	Charlotte	Carl	Earth and Atmospheric Sciences (EAS)	Jessica	Losago	GTRI	Research Institute (GTRI)	Analysis of the 2021 Metro Atlanta Tornadoes
Travel Award	Cailey	Carpenter	Chemistry (CHEM)	Joseph	Sadighi	COS	Chemistry and Biochemistry	Synthesis of copper-bound N-heterocyclic carbene thiolate for the reductive coupling of carbon monoxide
Travel Award	Joshua	Cruz	Biomedical Engineering (BMED)	James	Stubbs	COE	Biomedical Engineering	carSEAL: a novel vascular closure device for carotid artery punctures
Travel Award	Noah	Egan	Computer Science (CS)	Daniel	Goldman	COS	Physics	Modeling ant pontoon bridging using a robophysical active matter system
Travel Award	Stevi	Floyd	Psychology (PSY)	James	Roberts	COS	Psychology	Applying Individual Differences Scaling to the Measurement of Perceived Facial Emotions
Travel Award	Tan	Gemiciglu	Computer Science (CS)	Thad	Stamer	COC	Interactive Computing	SilentSpeller: Towards mobile, hands-free, silent speech text entry using electropalatography
Travel Award	Mateo	Gollosi	Biomedical Engineering (BMED)	Melinda	Millard-Stafford	COS	Biological Sciences	Deuterium oxide appearance to assess fluid bioavailability: agreement between cavity ring down spectroscopy and isotope ratio...
Travel Award	Griffin	Goodwin	Physics (PHYS)	James	Sowell	COS	Physics	Mapping Milky Way Halo Substructure Using Dark Energy Survey Data
Travel Award	Tsz Yeuk	Hui	Neuroscience (NEURO)	James	Roberts	COS	Psychology	Exploring the relationship of emotion and personal traits among college students
Travel Award	Tehreem	Hussain	Neuroscience (NEURO)	Joseph	Sadighi	COS	Chemistry and Biochemistry	Synthesis of Silver Phosphate Complexes
Travel Award	Satvik	Kumar	Aerospace Engineering (AE)	Tejas	Puranik	COE	Aerospace Engineering	Application of Isolation Forest for Detection of Energy Anomalies in ADS-B Trajectory Data
Travel Award	Nicholas	Lima	Biomedical Engineering (BMED)	James	Stubbs	COE	Biomedical Engineering	carSEAL: a novel vascular closure device for carotid artery punctures
Travel Award	Ashwin	Mahadevan	Economics and International Affairs (ELA)	Joshua	Brooks	IAC	Economics	The Application of the Kelly Criterion to Personal Financial Statements
Travel Award	Micah	Mers	Industrial Engineering (IE)	James	Tsai	COE	Civil and Environmental Engineering	Recurrent Neural Networks for Pavement Performance Forecasting: A Critical Review and Evaluation
Travel Award	Aneet	Nadella	Neuroscience (NEURO)	Erin	Buckley	COE	Biomedical Engineering	Investigation of stand-alone diffuse correlation spectroscopy (DCS) methods
Travel Award	Chiagoziem	Ohamadike	Biology (BIO)	Melinda	Millard-Stafford	COS	Biological Sciences	Assessment of Exercise-Induced Dehydration and Rehydration: Effectiveness of Using Prediction Equations For Plasma Osmolality
Travel Award	Brittan	Pero	Mechanical Engineering (ME)	Jud	Ready	GTRI	Materials Science and Engineering	Additive Manufacturing for Adjustable Putters
Travel Award	Sudeepa	Pisipati	Neuroscience (NEURO)	James	Roberts	COS	Psychology	The Multidimensionality of How Income Level, Race, and Gender Impact Political Attitudes
Travel Award	Madeleine	Pollack	Industrial Engineering (IE)	Lauren	Steimle	COE	Industrial and Systems Engineering	Strategies for the Mitigation of Statistical Error in Markov Decision Processes for Medical Decision-Making
Travel Award	Derek	Pruenser	Biomedical Engineering (BMED)	James	Stubbs	COE	Biomedical Engineering	carSEAL: a novel vascular closure device for carotid artery punctures
Travel Award	Giancarlo	Ricobono	Biomedical Engineering (BMED)	James	Stubbs	COE	Biomedical Engineering	carSEAL: a novel vascular closure device for carotid artery punctures
Travel Award	Griffin	Wagner	Biology (BIO)	Jeannette	Yen	COS	Biological Sciences	Superfluous Killing Behavior in Calanoid Copepod, Hesperodiaptomis shoshone
Travel Award	Xin	Xiang	Physics (PHYS)	David	Ballantyne	COS	Physics	Including a Warm Corona within the Inner Accretion Disk of Active Galactic Nuclei