Award Type	First Name	Last Name	Major	Mentor First Name	Mentor Last Name	College	Mentor Department	Project Title
Salary	Oscar	Aguilar	Industrial Engineering (IE)	Craig	Tovey	COE	Industrial and Systems Engineering	Entropy and Productivity in Insect Colonies
Salary	Ebenezer	Arunkumar	Aerospace Engineering (AE)	Glenn	Lightsey	COE	Aerospace Engineering	Creating a Modular Software Architecture for the Rapid Development of Undergraduate Designed CubeSats
Salary	James	Bamford	Materials Science and Engineering (MSE)	Mark	Losego	COE	Materials Science and Engineering	Effect of Nanoparticle Formation on the Glass Transition of Hybrid Materials Created via Vapor Phase Infiltration (VPI)
Salary	Dhruva	Bansal	Computer Science (CS)	Thad	Starner	COC	Interactive Computing	American Sign Language Recognition for CopyCat
Salary	Soniya	Bhagat	Mechanical Engineering (ME)	Anthony	Giarrusso	COD	City & Regional Planning	Manufacturing Capabilities in Rwanda
Salary	Shovan	Bhatia	Biomedical Engineering (BMED)	Jaydev	Desai	COE	Biomedical Engineering	Towards the Development of a Fully 3D-Printed Tendon-Actuated Soft Robotic Hand Rehabilitation Exoskeleton
Salary	Taylor	Blackburn	Biochemistry (BCHM)	Amit	Reddi	COS	Chemistry and Biochemistry	The development of new fluorescent biosensors to probe the mechanisms underlying the insertion of heme into hemoglobin
Salary	Alexander	Bukharin	Industrial Engineering (IE)	Yao	Xie	COE	Industrial and Systems Engineering	Covid-19 Analysis
Salary	Haley	Callaway	Civil Engineering (CE)	Anthony	Giarrusso	COD	City & Regional Planning	Exploring Gentrification Effects in South Atlanta due to the Beltline
Salary	Vivian	Cheng	Biology (BIO)	William	Ratcliff	COS	Biological Sciences	Studying the role of polyploidy in multicellular adaptation by experimental evolution of snowflake yeast
Salary	Yujin	Choi	Biomedical Engineering (BMED)	Cheng	Zhu	COE	Biomedical Engineering	Creating Stable Cell Lines Expressing Fluorescence Resonance Energy Transfer Sensors Between CD3 chains and the T-Cell Membrane
Salary	Gayeon	Choi	Mechanical Engineering (ME)	Aaron	Young	COE	Mechanical Engineering	Development of a continuous user independent locomotion mode classifier for a robotic hip exoskeleton
Salary	Andrew	Coco	International Affairs (INTA)	Lawrence	Rubin	IAC	International Affairs	The Democratization of Airpower
Salary	Sophia	Cohen	Public Policy (PUBP)	Richard	Barke	IAC	Public Policy	What Factors Determine the Success of a Passenger Rail Line Utilizing Existing Freight Tracks?
Salary	Will	Compton	Mechanical Engineering (ME)	Aaron	Young	COE	Mechanical Engineering	Use of Data Augmentation Techniques to Increase Robustness of High-Level Control Architectures on a Knee-Ankle Prosthesis
Salary	Srijan	Duggal	Mechanical Engineering (ME)	Aaron	Young	COE	Mechanical Engineering	Continuous Gait Phase Estimation for Stroke Patients wearing a Robotic Hip Exoskeleton
Salary	Austin	Fan	Chemical and Biomolecular Engineering (CHBE)	Seung Woo	Lee	COE	Mechanical Engineering	Carbon Frameworks in Polydopamine Functionalized Cathodes for High-performance Lithium-Ion Cells
Salary	Alexandra	Ford	Mechanical Engineering (ME)	David	Hu	COE	Mechanical Engineering	Developing a Portable Bioaerosol Detection Unit
Salary	Harrison	Fu	Biomedical Engineering (BMED)	Simon	Sponberg	COS	Physics	Building a Physical Model of Mudskipper Blinking
Salary	Parth	Gami	Biomedical Engineering (BMED)	Rudolph	Gleason	COE	Mechanical Engineering	Development of a low-cost photoplethysmography device to identify hemodynamic markers associated with preeclampsia
Salary	Miguel	Garcia	Computer Engineering (CMPE)	Mark	Davenport	COE	Electrical and Computer Engineering	Navigating the Latent Space of Generative Models Via Paired Comparisons
Salary	Olivia	Gorneau	Biomedical Engineering (BMED)	David	Hu	COE	Mechanical Engineering	Mechanics of a Cat Pounce and its Relation to Human Jumping
Salary	Johanna	Hall	Environmental Engineering (ENVE)	Kostas	Konstantinidis	COE	Civil and Environmental Engineering	Sampling for SARS-CoV, SARS-CoV-2, and Influenza A viruses in the outdoor environment
Salary	Sydney	Hallas	Aerospace Engineering (AE)	Tim	Lieuwen	COE	Aerospace Engineering	Directly Comparing OH Concentration and Local Equivalence Ratios
Salary	Molly	Halprin	Biomedical Engineering (BMED)	Flavio	Fenton	COS	Physics	Investigating Nonlinear Feedback Control of T-wave Alternans in Frog Hearts to Combat Arrhythmia
Salary	Shravan	Hariharan	Aerospace Engineering (AE)	John	Dec	COE	Aerospace Engineering	Heat Shield Design and Analysis for Mars HIAD Entry
Salary	Joseph	Harrison	Chemical and Biomolecular Engineering (CHBE)	Saad	Bhamla	COE	Chemical and Biomolecular Engineering	Ultrasonic Drying of Nanocellulose
Salary	Bruno	Hidalgo Monroy Lerma	Neuroscience (NEURO)	Mark	Wheeler	COS	Psychology	Using HLM to Investigate Intra-Individual Variability in Reaction Time as a Predictor for Early-Stage Cognitive Impairment
Salary	Kathryn	Higinbotham	Literature, Media, and Communication (LMC)	T. Hugh	Crawford	IAC	Literature, Media, & Communication	The Thomas Lux Archive and Small Press Poetry
Salary	Peyton	Holzworth	Biomedical Engineering (BMED)	Nick	Willett	COE	Biomedical Engineering	Development and validation of image processing program to determine the effect of fibro-adipogenic progenitors (FAPs) on muscle
Salary	Dharma	Hufnagel	Materials Science and Engineering (MSE)	Valeria	Milam	COE	Materials Science and Engineering	Using the Unnatural Mirror Image of a Molecular Cancer Target for Screening Aptamer Candidates
Salary	Dania	Ibrahim	Neuroscience (NEURO)	Richard	Catrambone	COS	Psychology	The neurological effects of subgoal-based learning
Salary	Abhay	Iyer	Chemical and Biomolecular Engineering (CHBE)	Saad	Bhamla	COE	Chemical and Biomolecular Engineering	Using Paper Bi-Layers to Simulate the Elastocapillary Response of Sandgrouse Barbules
Salary	Radha Maria	Jagwani	Environmental Engineering (ENVE)	Bert	Bras	COE	Mechanical Engineering	Ecological Metrics for System of Systems Resilience and Design
Salary	Shreykumar	Jain	Aerospace Engineering (AE)	Adam	Steinberg	COE	Aerospace Engineering	Developing and testing a novel polynomial camera calibration code for chemiluminescence tomography of an industrial jet engine
Salary	Andrew	Jeong	Biochemistry (BCHM)	M.G.	Finn	COS	Chemistry and Biochemistry	Characterization of Peptide Display Parameters for Virus-like Particle Subunit Vaccines
Salary	Simarpreet	Kareer	Computer Science (CS)	Jacob	Abernethy	COC	Computer Science	Effects of Boosting on Adversarial Robustness
Salary	Megha	Khosla	Chemical and Biomolecular Engineering (CHBE)	Susan	Thomas	COE	Mechanical Engineering	Evaluating the relationship between selectin mediated adhesion propensity and adhesion ligand expression of CD8+ T cell subtypes
Salary	Seungil	Kim	Industrial Engineering (IE)	Andy	Sun	COE	Industrial and Systems Engineering	Modelling and Analysis of Electric Vehicle Battery Usagesand Charging Behavior
Salary	Joshua	Kim	Mechanical Engineering (ME)	Ellen	Mazumdar	COE	Mechanical Engineering	Soft Robotic Earthworm using Compliant Electromagnetic Actuation
Salary	Walter	King	Mechanical Engineering (ME)	Shuman	Xia	COE	Mechanical Engineering	Solar Shields for Cryogenic Fuel Temperature Management
Salary	Alp	Kulaksizoglu	Materials Science and Engineering (MSE)	Gleb	Yushin	COE	Materials Science and Engineering	Investigation of M-Aramid Nano-Diamond Composite Separators in Lithium-ion Batteries
Salary	Mica	Landwermeyer	Materials Science and Engineering (MSE)	Juan-Pablo	Correa-Baena	COE	Materials Science and Engineering	A study of the effects of composition, temperature and relative humidity in perovskite solar cells degradation
Salary	Maya	Lee	Biomedical Engineering (BMED)	Wei	Sun	COE	Biomedical Engineering	Mitral Regurgitation Quantification: Comparison of Doppler Echocardiography and Fluid-structure Interaction Modeling
Salary	Madison	Liotta	Applied Languages and Intercultural Studies (ALIS)	Lelia	Glass	IAC	Modern Languages	Language and Politics in the New South
Salary	Kristina	Malinowski	Materials Science and Engineering (MSE)	Mark	Losego	COE	Materials Science and Engineering	In Situ Electrical Conductivity Measurements to Study the Kinetics of Vapor Phase Infiltration (VPI) Doping of Semiconducting Po
Salary	Michael	McKenna	Physics (PHYS)	Julie	Champion	COE	Chemical and Biomolecular Engineering	Role of the Protein Corona in Enhancement of Nanoparticle Drug Delivery
Salary	Caroline	Means	Biomedical Engineering (BMED)	Jud	Ready	COE	Materials Science and Engineering	Additive Manufacturing in Sports Equipment: Golf Putters
Salary	Jared	Meyers	Biomedical Engineering (BMED)	Gabe	Kwong	COE	Biomedical Engineering	Predictive modeling for chimeric antigen receptor off-tumor toxicity
Salary	Nina	Moorman	Applied Mathematics (MATH)	Prasad	Tetali	COS	Mathematics	On Bounding the Spectrum of Graphs using Isoperimetry
Salary	Emil	Muly	Mechanical Engineering (ME)	Stephen	Sprigle	COD	Industrial Design	Creating a Compliant Strain Sensor Using Conductive Powder and Dragon Skin Elastomer
Salary	Kathryn	Mykyten	Neuroscience (NEURO)	Jennifer	Curtis	COS	Physics	The Effects of Upregulated Hyaluronan Synthases on Cell Monolayer Structure and Migration
Salary	Terese	Navarra	Biomedical Engineering (BMED)	Frank	Rosenzweig	COS	Biological Sciences	Mapping the Martian Landscape with Escherichia coli
Salary	Rhea	Nichani	Neuroscience (NEURO)	Thackery	Brown	COS	Psychology	The Effects of Gender and Age on Cortisol Levels
Salary	Tobias	Niebur	Neuroscience (NEURO)	Simon	Sponberg	COS	Physics	Motor Timing Coordination Between Ipsilateral Flight Muscle of the Hawkmoth Manduca Sexta
Salary	Chidozie	Onyeze	Computer Science (CS)	Prasad	Tetali	COS	Mathematics	The Total Ladder Distance and Total Contact Distance of Plane Trees under the Nearest Neighbor Thermodynamic Model
Salary	Jameson	Orvis	Chemical and Biomolecular Engineering (CHBE)	Alberto	Stolfi	COS	Biological Sciences	Pax3/7 Mediated Neural Tube Closure in Ciona
Salary	Melissa	Ozbeyler	Mechanical Engineering (ME)	Ahmet	Coskun	COE	Biomedical Engineering	Spatial Transcriptomic Profiling of Source Variability in Single Mesenchymal Stem Cells
Salary	Chae Eun	Park	Industrial Design (ID)	Noah	Posner	COD	Industrial Design	Improved and Responsive Tool System to Support Research & Learning Related to Interactive Product Development
Salary	Saloni	Patel	Biology (BIO)	Shuyi	Nie	COS	Biological Sciences	The Role of Proteoglycans in Embryonic Development
Salary	Stephen	Puhalla	Biomedical Engineering (BMED)	Hungtang	Ko	COE	Mechanical Engineering	Effects of Heat on Fire Ant Clustering
Salary	Prithvi	Rathaur	Mechanical Engineering (ME)	Frank	Hammond	COE	Mechanical Engineering	Untethering of Pneumatically-Actuated Jumping Robot
Salary	Prerna	Ravi	Computer Science (CS)	Neha	Kumar	COC	Interactive Computing	Studying the Transition to Online Learning by Schools in Underserved Contexts in India
Salary	Brayden	Richardson	Computer Science (CS)	Ali	Adibi	COE	Electrical and Computer Engineering	Machine Learning Platform for Interstitial Lung Disease Classification and Detection
Salary	Owen	Rohm	Industrial Design (ID)	Lisa	Marks	COD	Industrial Design	Abstracting Overshot Weaving Through Visual Scripting
Salary	Jon	Saad-Falcon	Computer Science (CS)	Polo	Chau	COC	Computational Science & Engineering	PeopleMap: Visualization Tool for Mapping Out Researchers using Natural Language Processing
Salary	Santhosh	Saravanan	Industrial Engineering (IE)	Karthik	Ramachandran	Scheller	Business, Scheller College of	Employee Gender and Motivation in the Workplace
Salary	Lilly	Schroer	Materials Science and Engineering (MSE)	Satish	Kumar	COE	Materials Science and Engineering	The effect of CNTs on the mechanical properties of BMI resins in high performance nanocomposites
Salary	Elrid	Serrao	Chemical and Biomolecular Engineering (CHBE)	Nian	Liu	COE	Chemical and Biomolecular Engineering	Optimal Additives for High-Performance One-Dimensional Zinc-Air Batteries
Salary	Pavan	Seshadri	Computer Science (CS)	Alexander	Lerch	COD	Music	Music Performance Assessment using Deep Neural Networks
Salary	Jadyn	Sethna	Biology (BIO)	Joseph	Mendelson	COS	Biological Sciences	Activity Budget & Site Fidelity in Corallus batesii (Emerald Tree Boa)
Salary	Melody	Shellman	Industrial Engineering (IE)	Nicoleta	Serban	COE	Industrial and Systems Engineering	Analyzing Community-Based Interventions to Improve Access to Psychotherapy Services among Georgia Youth
Salary	Adith	Srivatsa	Biomedical Engineering (BMED)	Omer	Inan	COE	Electrical and Computer Engineering	Longitudinal Assessment of Calibration Techniques for Wearable Pulse Transit Time based Blood Pressure Estimation
Salary	Christina	Sun	Biomedical Engineering (BMED)	Blair	Brettmann	COE	Materials Science and Engineering	Recrystallization of Pharmaceutical Polymorphs in CNC Platforms
Salary	Charles	Tenorio	Mechanical Engineering (ME)	David	Torello	COE	Mechanical Engineering	Ultrasonic Rayleigh Wave Mixing Techniques to Determine the Acoustic Nonlinearity Parameter of Stainless Steels
Salary	Carys	Thompson	Biology (BIO)	Hang	Lu	COE	Chemical and Biomolecular Engineering	Modeling effects of particulate matter exposure in childhood using C. elegans larval development
Salary	Lily	Torp	Biology (BIO)	Pamela	Peralta-Yahya	COS	Chemistry and Biochemistry	Optimizing the GPCR Drug Discovery Process using Machine Learning Methods
Salary	Eleanor	Turaski	Materials Science and Engineering (MSE)	Seth	Marder	COS	Chemistry and Biochemistry	Optimization of Passivation Layers in Perovskite Solar Cells
Salary	Emine Zeynep	Ulutas	Neuroscience (NEURO)	Simon	Sponberg	COS	Physics	Flight versus Rest: Is Visual Feedback Modulated by the Behavioral States in the Hawkmoth, Manduca sexta?
Salary	Skylar	VanderLaan	Biomedical Engineering (BMED)	Nick	Willett	COE	Biomedical Engineering	Biomimetic Scaffolds for Functional Recovery and Skeletal Muscle Regeneration of a Volumetric Muscle Loss Injury
Salary	Ted	Vlady	Aerospace Engineering (AE)	Andrew	Yatsko	COE	Aerospace Engineering	Effect of Variable Inlet Guide Vanes (VIGV) on a Small Gas Turbine Engine
Salary	Bingyao	Wang	Computer Science (CS)	Thomas	Ploetz	COC	Interactive Computing	Improving 2D and 3D pose estimation and tracking from human activity video
Salary	Katherine	Wehrenberg	Industrial Engineering (IE)	Lauren	Steimle	COE	Industrial and Systems Engineering	Optimization of Class Scheduling to Reduce Risk of COVID-19 Transmission on Georgia Tech's Campus
Salary	Peiyao	Wu	Mechanical Engineering (ME)	Sung Ha	Kang	COS	Mathematics	New Application of Identifying PDE in Oceanographic Dataset
Salary	Michael	Xiao	Computer Science (CS)	Munmun	DeChoudhury	COC	Interactive Computing	Assessing K-12 Educational Disparities through Technology and Social Media
Salary	Ting-Ying	Yu	Electrical Engineering (EE)	David	Hu	COE	Mechanical Engineering	Deformation of fire ant rafts under uniform flow
Salary	Wenxin (Rose)	Zhao	Mechanical Engineering (ME)	David	Hu	COE	Mechanical Engineering	Analysis of Climbing Locomotion of Malaysian Sun Bears
Travel	Jamie	Hernandez Kluesner	Neuroscience (NEURO)	Cassie	Mitchell	COE	Biomedical Engineering	Exploring Relationships in Alzheimer's APOE Transgenic Mice Using Random Forest Modeling
Travel	Soham	Kulkarni	Biochemistry (BCHM)	Cassie	Mitchell	COE	Biomedical Engineering	Using Text Mining Link Prediction to Expedite COVID-19 Research
Travel	Kevin	McCoy	Biomedical Engineering (BMED)	Cassie	Mitchell	COE	Biomedical Engineering	Using Text Mining Link Prediction to Expedite COVID-19 Research
Travel	Prahathishree	Mohanavelu	Computer Science (CS)	Cassie	Mitchell	COE	Biomedical Engineering	Comparing Gastrointestinal Adverse Events of BCR-ABL Tyrosine Kinase Inhibitors to Optimize Chronic Myeloid Leukemia Treatment S
Travel	Brenae	Nelson	Biomedical Engineering (BMED)	Cassie	Mitchell	COE	Biomedical Engineering	Aggregate Comparative Analysis of APOE Transgenic Alzheimer's Mice Cognitive Function
Travel	Skylar	VanderLaan	Biomedical Engineering (BMED)	Nick	Willett	COE	Biomedical Engineering	A System to Measure Maximal Isometric Torque of the Mouse Quadriceps
Travel	Yassin	Watson	Biology (BIO)	Cassie	Mitchell	COE	Biomedical Engineering	Exploring Relationships in Alzheimer's APOE Transgenic Mice using Random Forest Modeling
Travel	Brandon	White	Biomedical Engineering (BMED)	Cassie	Mitchell	COE	Biomedical Engineering	Unsupervised Ranking of Treatment-Related Infection Risk Factors in Pediatric Acute Leukemia