

Award type	Project Title	First Name	Last Name	Major	Mentor First Name	Mentor Last Name	Mentor College	Mentor Department/School
Student Salary	Differential Effects of Reward-based Processing on Encoding and Retrieval	Coleman	Alford	Chemical and Biomolecular Engineering (CHBE)	Christopher	Hertzog	Sciences	Psychology
Student Salary	Cell migration and differentiation of SPION-NSC	Elman	Amador	Biomedical Engineering (BMED)	John	Oshinski	Engineering	Biomedical Engineering
Student Salary	Evaluating the impact of the rise of the Islamic movement in Israel on the Israeli-Palestinian peace process	Nicholas	Barker	International Affairs (INTA)	Lawrence	Rubin	Ivan Allen Liberal Arts	International Affairs
Student Salary	Production of multi-layer asymmetric hollow fiber membranes for enhanced carbonation of algal broth	John	Barkow	Chemical and Biomolecular Engineering (CHBE)	Ryan	Lively	Engineering	Chemical and Biomolecular Engineering
Student Salary	Hydraulically Powered Start-Stop Systems for Use in Diesel Powered School Buses	Brent	Barnes	Mechanical Engineering (ME)	Michael	Leamy	Engineering	Mechanical Engineering
Student Salary	Self-Healing of Ant Clusters	Tanvi	Dave	Biomedical Engineering (BMED)	David	Hu	Engineering	Mechanical Engineering
Student Salary	Effect of Aging and Organic Ligands on the Structural Transformation and Reactivity of Layered Manganese Oxide Minerals-- $\delta$ -MnO <sub>2</sub> and Birnessite	Benjamin	Fields	Chemistry (CHEM)	Yuanzhi	Tang	Sciences	Earth and Atmospheric Sciences
Student Salary	Mechanical and Thermal Characterization of Cellulose Nanocrystal/Polyvinyl Alcohol Nanocomposite Films for Biomedical Application	Emily	Fitzharris	Polymer and Fiber Engineering (PFE)	Meisha	Shofner	Engineering	Materials Science and Engineering
Student Salary	Antiandrogen Genistein Conjugates as Targeted Anti-Prostate Cancer Agents	Alex	George	Biochemistry (BCHM)	Adeboyega	Oyelere	Sciences	Chemistry and Biochemistry
Student Salary	Applying Machine Learning to the Study of Multiteam System Dynamics	Zachary	Gibson	Psychology (PSY)	Leslie	DeChurch	Sciences	Psychology
Student Salary	A study of how exercise and mental fatigue effects response inhibition in trained vs. non trained athletes	Rachael	Grosz	Biomedical Engineering (BMED)	Mindy	Millard-Stafford	Sciences	Applied Physiology (APPH)
Student Salary	Study of Tongue Material and Saliva Fluid Properties of Frogs and Amphibians.	Jong	Ha	Mechanical Engineering (ME)	David	Hu	Engineering	Mechanical Engineering
Student Salary	The Supply and Demand Trade-off in Adult Primary Care in Georgia	Pravara	Harati	Industrial Engineering (IE)	Nicoleta	Serban	Engineering	Industrial and Systems Engineering
Student Salary	Growing and Crystallizing D380A/E396D Double Mutant Olfactomedin Protein	Jaya	Janadhya	Biochemistry (BCHM)	Raquel	Lieberman	Sciences	Chemistry and Biochemistry
Student Salary	Effective Polymer Processing Methods for Improving the Properties of High Performance $\pi$ -Conjugated Semiconducting Polymers	Yundi	Jiang	Chemical and Biomolecular Engineering (CHBE)	Elsa	Reichmanis	Engineering	Chemical and Biomolecular Engineering
Student Salary	Manganese-oxide Nanostructured Electrodes on Carbon Fiber Scaffolds for Low Cost, High Performance Electrochemical Energy Storage Devices	Nicholas	Kane	Materials Science and Engineering (MSE)	Meilin	Liu	Engineering	Materials Science and Engineering
Student Salary	Platelet Adhesion and Mechanosensing on Collagen-Conjugated Substrates	Matthew	Kee	Biomedical Engineering (BMED)	Wilbur	Lam	Engineering	Biomedical Engineering
Student Salary	In Vitro Investigation of Pulmonary Artery Behavior in Physiological and Pathophysiological Conditions	Samantha	Kiblinger	Biomedical Engineering (BMED)	Ajit	Yoganathan	Engineering	Biomedical Engineering
Student Salary	Star-disk collisions in the Galactic Center	Thomas	Kieffer	Physics (PHYS)	Tamara	Bogdanovic	Sciences	Physics
Student Salary	Characterization of In Vivo Wall Motion of Total Cavopulmonary Connection Vessels	Feiran	Li	Biomedical Engineering (BMED)	Ajit	Yoganathan	Engineering	Biomedical Engineering
Student Salary	Software-defined radio for spectrum research in high user density environments	Orin	Lincoln	Computer Engineering (CMPE)	Randal	Abler	Engineering	Electrical and Computer Engineering
Student Salary	Development of a low-cost system to analyze kinetics and kinematics of human locomotion	Mary	Littrell	Materials Science and Engineering (MSE)	Young-Hui	Chang	Sciences	Applied Physiology (AP)
Student Salary	Structural Colors of Butterfly Wing Scale	Chunzi	Liu	Materials Science and Engineering (MSE)	Mohan	Srinivasarao	Engineering	Materials Science and Engineering
Student Salary	Expression of Stoichiometrically Phosphorylated G-Proteins Using Amber Codon Suppression	Kayla	Look Loy	Biology (BIO)	Matthew	Torres	Sciences	Biology
Student Salary	Saturn's magnetosphere and seasonal variability	Nicholas	Lucas	Physics (PHYS)	Carol	Paty	Sciences	Earth and Atmospheric Sciences
Student Salary	Neural Control Mechanisms of Walking in Healthy, Young Adults	Alix	Macklin	Mechanical Engineering (ME)	Lena	Ting	Engineering	Biomedical Engineering
Student Salary	A Creation of a Computer-Based Model and Simulation Environment to determine the effectiveness of the United States Navy's Ballistic Missile Defense System	Jeffrey	McNabb	Aerospace Engineering (AE)	Dimitri	Mavris	Engineering	Aerospace Engineering
Student Salary	The effects of impaired sensory feedback on motor output: Insights from a decoupled bicycle	Allison	Moczynski	Biomedical Engineering (BMED)	Young-Hui	Chang	Sciences	Applied Physiology (APPH)
Student Salary	Cognitive Motor Control Lab	Kelly	Neary	Biology (BIO)	Lewis	Wheaton	Sciences	Applied Physiology (AP)
Student Salary	Insect-Inspired Bristle Arrays for Passive and Active Self-Cleaning Surfaces	Mari	Nguyen	Materials Science and Engineering (MSE)	David	Hu	Engineering	Mechanical Engineering
Student Salary	Blood-brain barrier modulation for intracortical recording	Shobha	Paul	Biomedical Engineering (BMED)	Ravi	Bellamkonda	Engineering	Biomedical Engineering

Student Salary	WHAT INSPIRES US TO ACTION: THE USE OF MEDIA CAMPAIGNS BY NONPROFITS AND NONGOVERNMENTAL ORGANIZATIONS TO INSPIRE OTHERS TO ALLEVIATE POVERTY AND HUMAN SUFFERING	PISHARMON	Pintavorn	International Affairs and Modern Language (IAML)	Carl	Disalvo	Ivan Allen Liberal Arts	Literature, Communication and Culture
Student Salary	CO2 Capture Using Amino-Functionalized Mesoporous Silica	Kristin	Presnell	Chemical and Biomolecular Engineering (CHBE)	Ryan	Lively	Engineering	Chemical and Biomolecular Engineering
Student Salary	Filesystem Integration with the Cryptographically-Curated File System (CCFS)	Mallika	Sen	Computer Engineering (CMPE)	John	Copeland	Engineering	Electrical and Computer Engineering
Student Salary	Mossy fiber sprouting as a measure of closed-loop seizure control performance	Fu Hung	Shiu	Materials Science and Engineering (MSE)	Robert	Gross	Engineering	Biomedical Engineering
Student Salary	Parametric Study of Bio-Inspired Passive Separation Control Mechanisms	Michael	Stearns	Aerospace Engineering (AE)	Marilyn	Smith	Engineering	Aerospace Engineering
Student Salary	Unraveling the dynamics of how clot formation initiates by studying single platelet-fibrin interactions	Hunter	Strauss	Biomedical Engineering (BMED)	Wilbur	Lam	Engineering	Biomedical Engineering
Student Salary	Study of Self-Propelled Pt-Coated Janus Particles in Hydrogen Peroxide	George	Tang	Biochemistry (BCHM)	Todd	Sulchek	Engineering	Mechanical Engineering
Student Salary	Domain III rRNA Magnesium Interactions Using Circular Dichroism	Drew	Vander Wood	Biochemistry (BCHM)	Loren	Williams	Sciences	Chemistry and Biochemistry
Student Salary	Synthesis of a Vitamin D Analog with an Alkyne Functional Group for Use in Click Chemistry Catalyzing Enzymes Development	Shengyuan	Wang	Chemistry (CHEM)	Donald	Doyle	Sciences	Chemistry and Biochemistry
Student Salary	High Thermal Conductivity Glass Matrix Composites	Morgan	Watt	Materials Science and Engineering (MSE)	Jason	Nadler	Engineering	GTRI Electro-Optical Sys Labs
Student Salary	Parametric effects of Electromagnetic array configuration on eddy current sensing	Lasitha	Wijayarathne	Mechanical Engineering (ME)	Kok-Meng	Lee	Engineering	Mechanical Engineering
Student Salary	Monte Carlo Simulation of Grain Growth and Fission Gas Evolution	Justin	Williams	Nuclear and Radiological Engineering (NRE)	Chaitanya	Deo	Engineering	Mechanical Engineering
Student Salary	Early Detection of High-Grade Serous Ovarian Cancer in a Mouse Model via Urinary Metabolomics	Laura	Winalski	Biochemistry (BCHM)	Facundo	Fernandez	Sciences	Chemistry and Biochemistry
Student Salary	The Efficiency of Liquid Piston Stirling Engine	Ning	Yang	Mechanical Engineering (ME)	Todd	Sulchek	Engineering	Mechanical Engineering
Student Salary	Biomimetic Beta Hairpin Peptides: Prototypes for Artificial Solar Energy Conversion	Jiby	Yohannan	Biology (BIO)	Bridgette	Barry	Sciences	Chemistry and Biochemistry
Student Salary	Mimicking bacteria locomotion to create microrobots	Yuying	Zhang	Biomedical Engineering (BMED)	Todd	Sulchek	Engineering	Mechanical Engineering
Student Salary	2014 GT iGEM	Troy	von Beck	Biomedical Engineering (BMED)	Thomas	Barker	Engineering	Biomedical Engineering
Student Salary	2014 GT iGEM	Kathryn	Fitton	Biochemistry (BCHM)	Thomas	Barker	Engineering	Biomedical Engineering
Student Salary	2014 GT iGEM	Jennifer	Zhang	Biomedical Engineering (BMED)	Eric	Gaucher	Sciences	Biology
Student Salary	2014 GT iGEM	Tashfia	Chowdhury	Biomedical Engineering (BMED)	Thomas	Barker	Engineering	Biomedical Engineering
Student Salary	2014 GT iGEM Team	Stefan	Tassoulas	Biochemistry (BCHM)	Thomas	Barker	Sciences	Biomedical Engineering
Student Salary	Georgia Tech iGEM	Coleen	Tran	Biomedical Engineering (BMED)	Thomas	Barker	Engineering	Biomedical Engineering
Travel	Mapping the Way: Testing Methods to Map Water Points in Developing Countries	Alexandra	George	Civil Engineering (CE)	Laura	Kovalchick	Engineering	Civil and Environmental Engineering
Travel	Habits of the Engineering Mind: A Study Abroad Course at Oxford	Jacquelyn	Borinski	Biomedical Engineering (BMED)	Joseph	Le Doux	Engineering	Biomedical Engineering
Travel	A Random Forest Method for Real-Time Price Forecasting in New York Electricity Market	Jie	Mei	Electrical and Computer Engineering (ECE)	Thomas	Habetler	Engineering	Electrical and Computer Engineering
Travel	Assessing the Role of the Rare Biosphere in Microbial Community Response to Environmental Perturbation	Gina	Maresca	Environmental Engineering (ENVE)	Kostas	Konstantinidis	Engineering	Civil and Environmental Engineering
Travel	Goal Orientation and Absorption of Unique Information in Teams	Sidni	Vaughn	Psychology (PSY)	Leslie	DeChurch	Sciences	Psychology
Travel	Habits of the Engineering Mind: A Study Abroad Course at Oxford	Elaine	McCormick	Biomedical Engineering (BMED)	Joe	Le Doux	Engineering	Biomedical Engineering
Travel	Habits of the Engineering Mind	Kimberly	Haight	Biomedical Engineering (BMED)	Joe	Le Doux	Engineering	Biomedical Engineering
Travel	Biomanufacture of Embryonic Stem Cell Phenotype and Trophic Factor Secretion via Alginate Microencapsulation	Mohamad Ali	Najia	Biomedical Engineering (BMED)	Todd	Mcdevitt	Engineering	Biomedical Engineering
Travel	Woolf as a Subaltern Critic	Raghav	Kaul	Economics (ECON)	Rebecca	Burnett	Ivan Allen Liberal Arts	Literature, Communication and Culture
Travel	Biological and robotic modeling of the evolution of legged locomotion on land	Benjamin	McInroe	Physics (PHYS)	Daniel	Goldman	Sciences	Physics
Travel	Electrochemical Sodium Intercalation of FeV3O8, a Tunnel Structure	JungHwa	Hong	Materials Science and Engineering (MSE)	Gleb	Yushin	Engineering	Materials Science and Engineering