

Award Type	Project Title	First Name	Last Name	Major	Mentor First Name	Mentor Last Name	Mentor College	Mentor Department/School
Student Salary	Heat and Mass Transport in Confined Two-Phase Binary Fluids	Laura	Anfinson	Mechanical Engineering (ME)	Roman	Grigoriev	Sciences	Physics
Student Salary	Evaluation of the effect of Interleukin-4 on pro-inflammatory macrophages and in vitro characterization of PEG-MAL hydrogel as an on-demand IL-4 delivery system.	Sheridan	Carroll	Biomedical Engineering (BMED)	Michael	Davis	Engineering	Biomedical Engineering
Student Salary	Modeling Effects of Shear Forces on Eyelashes in a Fluid Flow	Joel	Clewis	Mechanical Engineering (ME)	David	Hu	Engineering	Mechanical Engineering
Student Salary	Production of a CuZnSnS4 thin-film photovoltaic absorber	Cameron	Davis	Mechanical Engineering (ME)	Jud	Ready	Engineering	Materials Science and Engineering
Student Salary	Microbial Metal Respiration through Electron Bifurcation - Evidence of an Ancient Respiratory Process	Jennifer	Goff	Biology (BIO)	Thomas	DiChristina	Sciences	Biology
Student Salary	Utilizing Fourier Signatures to Determine Patient Outcomes After HSCT	Francisco	Gonzalez	Biomedical Engineering (BMED)	Todd	Sulchek	Engineering	Mechanical Engineering
Student Salary	Snake Acoustics: the role apical pit in the auditory system	Xinbei	Guan	Environmental Engineering (ENVE)	David	Hu	Engineering	Mechanical Engineering
Student Salary	The Diplomacy of Air Pollution: China's Growing Economic Challenges in an Era of Globalization	Siqi	Han	Economics and International Affairs (EIA)	Brian	Woodall	Ivan Allen Liberal Arts	International Affairs
Student Salary	The Complement System: Targeting and Killing Nucleated Cells	Edward	Jung	Biomedical Engineering (BMED)	Todd A.	Sulchek	Engineering	Mechanical Engineering
Student Salary	Analysis of Aortic Valve Calcification using a Novel Ex Vivo Aortic Valve Bioreactor	Imran	Naim	Biomedical Engineering (BMED)	Ajit	Yoganathan	Engineering	Biomedical Engineering
Student Salary	Development of Compliant Biocompatible Strain Sensor Packaging for Tissue Engineering Applications	Michael	Parekh	Chemical and Biomolecular Engineering (CHBE)	Sue	Allen	Engineering	Chemical and Biomolecular Engineering
Student Salary	Simulating Photon Interactions and Efficiency with Three Dimensional Photovoltaic Cd-Te Solar Cells	Ricardo	Saenz Landazabal	Chemical and Biomolecular Engineering (CHBE)	Jud	Ready	Engineering	Materials Science and Engineering
Student Salary	Investigating the Effect of Adipogenesis and Osteoblastogenesis on Bone in a Transgenic Mouse Model of Sickle Cell Disease	Hifza	Sakhi	Biomedical Engineering (BMED)	Gilda	Barabino	Engineering	Biomedical Engineering
Student Salary	The effects of shear stress on the establishment of atherosclerosis	Danielle	Shaver	Biomedical Engineering (BMED)	Rudy	Gleason	Engineering	Biomedical Engineering
Student Salary	Proton Coupled Electron Transfer Reactions and Redox Active Tyrosine in Photosystem II and Biomimetic Peptides	Ashley	Zuniga	Biochemistry (BCHM)	Bridgette	Barry	Sciences	Chemistry and Biochemistry
Student Salary	Creating a Quest Architecture System to Facilitate Emergent Gameplay	Robert	Allen	Computational Media (CM)	Celia	Pearce	Ivan Allen Liberal Arts	Literature, Communication and Culture
Student Salary	The Biomechanics of Shark Maneuverability	Kenneth	Butler	Aerospace Engineering (AE)	Marilyn	Smith	Engineering	Aerospace Engineering
Student Salary	Robust Optimization in Unit Commitment Problem with Wind Power Penetration	Hongfan	Chen	Industrial Engineering (IE)	Andy	Sun	Engineering	Industrial and Systems Engineering
Student Salary	Three-dimensional Microfluidic Sedimentation Filter for Continuous Flow Colloidal Suspensions	Quynh Anh	Do	Biomedical Engineering (BMED)	Todd	Sulchek	Engineering	Mechanical Engineering
Student Salary	Auto-ignition measurements with liquid Jet-A fuel injection	Jordan	Edgar	Mechanical Engineering (ME)	Ben	Zinn	Engineering	Aerospace Engineering
Student Salary	The Potential for Personalized Technologies in Older Adults	Jackie	Gilberto	Psychology (PSY)	Tracy	Mitzner	Sciences	Psychology
Student Salary	The pursuit of isotropic zero thermal expansion metal fluorides with good infrared transparency	Justin	Hancock	Chemistry (CHEM)	Angus	Wilkinson	Sciences	Chemistry and Biochemistry
Student Salary	Fibrin-Binding Microgels for Hemostatic and Wound Healing Applications: Characterization of Performance in Vitro	Riley	Hannan	Biology (BIO)	Thomas	Barker	Engineering	Biomedical Engineering
Student Salary	Experimental investigation of molecular communication in reporter bacteria	Marie	Harber	Mechanical Engineering (ME)	Craig	Forest	Engineering	Mechanical Engineering
Student Salary	Qualitative Coding for Emotional Regulation Strategies	Sierra	Harrison	History, Technology, and Society (HTS)	Christopher	Hertzog	Sciences	Psychology
Student Salary	Measuring the Intermolecular Potential between Two Silica Surfaces under Aqueous Conditions	Yu	Huang	Chemical and Biomolecular Engineering (CHBE)	Todd	Sulchek	Engineering	Mechanical Engineering
Student Salary	Limb Tremor Assessment to Aid in Parkinson's Disease Management: Effect of Alkyl Chain Substitution on Properties of Benzothiadiazole Oligothiophene Based Polymeric Semiconductors	Yundi	Jiang	Chemical and Biomolecular Engineering (CHBE)	Elsa	Reichmanis	Engineering	Chemical and Biomolecular Engineering
Student Salary	DEVELOPMENT OF STEMNESS MARKERS FOR MESENCHYMAL STEM CELLS ISOLATED FROM BONE MARROW OF LARGE VERTEBRATE ANIMALS	Niti	Khambhati	Biochemistry (BCHM)	Michelle	Dawson	Engineering	Chemical and Biomolecular Engineering
Student Salary	Identifying Adaptive Features of Apis mellifera dwelling in Urban Environment	Youngmin	Kim	Biology (BIO)	Jennifer	Leavey	Sciences	Biology

Student Salary	A study on the immunological applications of bifunctional Janus nanoparticles	Arun	Kumar	Biomedical Engineering (BMED)	Todd	Sulchek	Engineering	Mechanical Engineering
Student Salary	Development of an Improved Resin Chamber and Washing System for the Exposure Controlled Projection Lithography process used to create Micro Scaled Components	Abhishek	Kwatra	Mechanical Engineering (ME)	David W.	Rosen	Engineering	Mechanical Engineering
Student Salary	Breaking of Toroidal Droplets Inside Viscoelastic Materials	Hung	Le	Physics (PHYS)	Alberto	Fernandez-Nieves	Sciences	Physics
Student Salary	Alzheimer's Disease Candidate Inhibitors; Erythrosin B and Brilliant Blue G interacting with Amyloid beta oligomer: molecular dynamic simulation approach	Juho	Lee	Chemistry (CHEM)	Seung Soon	Jang	Engineering	Materials Science and Engineering
Student Salary	Shape Matters: A study on the Design of Peristome Structure of Pitcher Plants for Trapping Crawling Insects	Zhongyang	Liu	Mechanical Engineering (ME)	David	Hu	Engineering	Mechanical Engineering
Student Salary	Post-Translational Regulation of G-Protein Signal Transduction	Kayla	Look Loy	Biology (BIO)	Matthew	Torres	Sciences	Biology
Student Salary	Analysis of User Acceptance of Computer Technology for Older Adults	Laura	Matalenas	Biomedical Engineering (BMED)	Wendy	Rogers	Sciences	Psychology
Student Salary	Will Mechanical Forces Affect the Role of MSCs as Pericytes?	Rachel	Meltzer	Chemical and Biomolecular Engineering (CHBE)	Robert	Nerem	Engineering	Mechanical Engineering
Student Salary	Effect of FC Primed Macrophages and its Effect on Complement System Activation in the Immune System	Amrutha	Mylarapu	Biomedical Engineering (BMED)	Sulchek	Todd	Engineering	Mechanical Engineering
Student Salary	Microparticle Protein Release Tuning through Varying Resulfation Profiles of Chondroitin Sulfate	Karthik	Nathan	Biomedical Engineering (BMED)	Johnna	Temenoff	Engineering	Biomedical Engineering
Student Salary	Cognitive Motor Control Lab	Kelly	Neary	Biology (BIO)	Lewis	Wheaton	Sciences	Applied Physiology (APPH)
Student Salary	Young Children's Somatic Engagement with Nursery Rhymes in Video Games, CDROMs, and Online Installations	Griva	Patel	Computational Media (CM)	Krystina	Madej	Ivan Allen Liberal Arts	Literature, Communication and Culture
Student Salary	Breaching of Water by Hydrophobic Spheres and Application to Fish Leaping	Sulisay	Phonekeo	Mechanical Engineering (ME)	David	Hu	Engineering	Mechanical Engineering
Student Salary	Nanoscale Confinement to Improve Protein Functionalization	Valeriya	Popova	Chemical and Biomolecular Engineering (CHBE)	Todd	Sulchek	Engineering	Mechanical Engineering
Student Salary	Effects of shear stress in aortic valve remodeling and disease	Anita	Rajamani	Biomedical Engineering (BMED)	Ajit	Yoganathan	Engineering	Biomedical Engineering
Student Salary	An Investigation of Poly(vinyl) Alcohol-Based Nanocomposites as Effective Alternative Membranes in Direct Methanol Fuel Cells	Christine	Smith	Chemical and Biomolecular Engineering (CHBE)	Meishea	Shofner	Engineering	Materials Science and Engineering
Student Salary	Effects of physiologically heightened sympathetic nerve activity on reciprocal afferent inhibition of the motor cortex	Theresa	Sorrentino	Biomedical Engineering (BMED)	Minoru	Shinohara	Sciences	Applied Physiology (AP)
Student Salary	Identifying Sensory and Motor Axons and Exploring Axon Guidance Techniques on Regenerating Mixed Nerves	Mayank	Tahilramani	Biochemistry (BCHM)	Ravi	Bellamkonda	Sciences	Biomedical Engineering
Student Salary	Tailorable and robust reduced GO paper via acid annealing and redox reaction	Lorenzo	Tolentino	Materials Science and Engineering (MSE)	Vladimir	Tsukruk	Engineering	Materials Science and Engineering
Student Salary	Ideology Versus Practical Demands: An Industrial Engineering Case Study of the Final Solution's Impact on the German War Effort During World War II	Lori	Tyler	Industrial Engineering (IE)	Craig	Tovey	Engineering	Industrial and Systems Engineering
Student Salary	A Study of Epoxy/Copper Interfacial Delamination Through Magnetic Actuation	Luis	Valles	Mechanical Engineering (ME)	Suresh	Sitaraman	Engineering	Mechanical Engineering
Student Salary	Study of Ophiocordyceps sinensis: Effects on de novo sphingolipid biosynthetic pathway	Courtney	Widjaja	Biology (BIO)	Al	Merrill	Sciences	Biology
Student Salary	iGEM	Haoli	Du	Biomedical Engineering (BMED)	Mark	Styczynski	Engineering	Chemical and Biomolecular Engineering
Student Salary	GT iGEM: Integrin-based sensing biobots	Spencer	Cooper	Biomedical Engineering (BMED)	Brian	Hammer	Sciences	Biology
Student Salary	2013 Georgia Tech iGEM Team	Jessica	Sterner	Biomedical Engineering (BMED)	Gang	Bao	Engineering	Biomedical Engineering
Student Salary	Georgia Tech iGEM -- Integrin Based Sensing BioBots	Casey	Haynes	Biomedical Engineering (BMED)	M.G.	Finn	Sciences	Chemistry and Biochemistry
Travel	Effects of Filter Selection on Unmixing of Spectrally Similar Quantum Dots	Elena	Hubbard	Biomedical Engineering (BMED)	May	Wang	Engineering	Biomedical Engineering
Travel	Direct arylation of quinoxaline by novel C-H activation	Anthony	Rojas	Chemistry (CHEM)	Seth	Marder	Sciences	Chemistry and Biochemistry
Travel	Mapping the Way: Testing Methods to Map Water Points in Developing Countries	Lillian	Ponitz	Environmental Engineering (ENVE)	Laura	Kovalchick	Engineering	Civil and Environmental 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