Award type	Project Title	First Name	Last Name	Major	Mentor First Name	Mentor Last Name	Mentor Department/School
Student Salary	Systems Engineering and Project Management of the RECONSO Cubesatellite Mission	Luke	Alexander	Aerospace Engineering (AE)	Marcus	Holzinger	Aerospace Engineering
Student Salary	How Humans Interpret and React to Perceived Automation Errors	Jaudale	Banks	Psychology (PSY)	Tracy	Mitzner	Psychology
Student Salary	The Posterity Clause: How Time is Perceived in the Polis	Chandler	Barre	Public Policy (PUBP) (PUBP)	Richard	Barke	Public Policy
Student Salary	Neural Activation Patterns Arising from Gesture Recognition	Sumia	Basunia	Biology (BIO)	Lewis	Wheaton	Applied Physiology
Student Salary	Adaptation and diversification during the transition to multicellularity in Saccharomyces cerevisiae	Andrea	Boyd	Biology (BIO)	William	Ratcliff	Biology
Student Salary	Latrunculin A and Nocodazole Treatment of Chemotherapy-Exposed Acute Myeloid Leukemia Cells	Hannah	Brink	Biomedical Engineering (BMED)	Todd	Sulchek	Mechanical Engineering
Student Salary	Quantifying Complexity of Internal Structure in DNA	Stephen	Brotman	Chemical and Biomolecular Engineering (CHBE)	Martha	Grover	Chemical and Biomolecular Engineering
Student Salary	Impact of Propellant Choice on Hall Effect Thruster Electrical Facility Effects	Nathan	Brown	Aerospace Engineering (AE)	Mitchell	Walker	Aerospace Engineering
Student Salary	Propulsion force from cavity generation by flying fish at water surface	Jishen	Cheng	Mechanical Engineering (ME)	David	Hu	Mechanical Engineering
Student Salary	Hybrid 3D porous graphene/metal nanocomposite for Energy Storage	Seong Ho	Cho	Mechanical Engineering (ME)	Seung Woo	Lee	Mechanical Engineering
Student Salary	Graphene Oxide/Hollow Fiber Membrane for Separation of BTEX Mixtures	Eunsun	Choi	Chemical and Biomolecular Engineering (CHBE)	Ryan	Lively	Chemical and Biomolecular Engineering
Student Salary	Self-Cleaning Patterns of the Mammalian Small Intestine	McLean	Davies	Nuclear and Radiological Engineering (NRE)	David	Hu	Mechanical Engineering
Student Salary	Design and Implementation of a Robotic Cat	Anushri	Dixit	Electrical Engineering (EE)	Patricio	Vela	Electrical and Computer Engineering
Student Salary	Attitude Control of Nanosatellites through Magnetic Torquers	Clarence	Du	Aerospace Engineering (AE)	Brian	Gunter	Aerospace Engineering
Student Salary	The Effect of Metal Doping on the Oxidative Reaction of Manganese Oxides towards the Degradation of Microbial Organic Metabolites	Benjamin	Fields	Chemistry (CHEM)	Yuanzhi	Tang	Earth and Atmospheric Sciences
Student Salary	How Geometry Affects Pinning	Samuel	Finley-Price	Applied Physics (APHY)	Peter	Yunker	Physics
Student Salary	Enzymatic activity of 5-Nitroanthranilic acid (5NAA) Deaminase	James	Going	Biochemistry (BCHM)	Raquel	Lieberman	Chemistry and Biochemistry
Student Salary	Exploring the Impacts of Regulatory Barriers on Entrepreneurship in the United States	Megan	Haley	Public Policy (PUBP) (PUBP)	Daniel	Matisoff	Public Policy
Student Salary	Population genetics of prostate cancer associated variants in men of African descent	Claire	Hanson	Biology (BIO)	Joseph	Lachance	Biology
Student Salary	Dose Response Curve Characterization of Pharmacological Blockers in Order to Understand Ionic Mechanisms of Nerve Block by High Frequency Alternating Current (HFAC) Stimulation	Anna	Harrison	Electrical Engineering (EE)	Robert	Butera	Electrical and Computer Engineering
Student Salary	iGEM	Kellie	Heom	Chemical and Biomolecular Engineering (CHBE)	Thomas	Barker	Biomedical Engineering
Student Salary	iGEM 2015	Brandon	Holt	Biomedical Engineering (BMED)	Thomas	Barker	Biomedical Engineering
Student Salary	Adaptive Changes in Locomotor Behavior Following Tendon Transfer (TT) Surgery	Shushmita	Hoque	Biomedical Engineering (BMED)	Richard	Nichols	Applied Physiology
Student Salary	Study of the Transmutation Effects of Molten Salt on Corrosion Chemistry	Vincent	Hughes	Nuclear Engineering (NE)	Preet	Singh	Materials Science and Engineering
Student Salary	Single Atom Trapping	Zixin	Jiang	Physics (PHYS)	Michael	Chapman	Physics
Student Salary	DCS Measurements of Simulated Blood Flow in Microfluidic Tissue Phantoms	Yeonghoon	Joung	Chemical and Biomolecular Engineering (CHBE)	Erin	Buckley	Biomedical Engineering
Student Salary	Corrosion of High Temperature Structural Metals and Ceramics in Molten Salt Environments	Robert	Kiblinger	Materials Science and Engineering (MSE)	Preet	Singh	Materials Science and Engineering
Student Salary	Optimization of In vivo Transfection Protocol in Brachionus manjavacas	Sharadha	Krishnappan	Biology (BIO)	Terry	Snell	Biology
Student Salary	Active tail buffeting alleviation on a delta wing by a plasma actuator array	VAIBHAV	KUMAR	Aerospace Engineering (AE)	NARAYANAN	KOMERATH	Aerospace Engineering

Student Salary	RECONSO	Jared	Lee	Aerospace Engineering (AE)	Marcus	Holzinger	Aerospace Engineering
Student Salary	Efficient, controlled transfer of biological processes in microfluidic devices	Jun Yeob	Lee	Biomedical Engineering (BMED)	Todd	Sulchek	Mechanical Engineering
Student Salary	Enhancement of PEEK Osseointegration by Hydroxyapatite Coating	Caitlin	Leksana	Mechanical Engineering (ME)	Robert	Guldberg	Mechanical Engineering
Student Salary	Stress Corrosion Cracking of 7xxx Series Aluminum Alloys	Marika	Manuud	Materials Science and Engineering (MSE)	Richard	Neu	Mechanical Engineering
Student Salary	Defining the Biomechanical Properties of Antibody Secreting Cells and Their Effect on Motility	Brynn	McFarland	Chemical and Biomolecular Engineering (CHBE)	Todd	Sulchek	Mechanical Engineering
Student Salary	Evaluation and Optimization of Engineered Granular Activated Carbon Biofiltration	Melissa	Meyer	Environmental Engineering (ENVE)	Ching-Hua	Huang	Civil and Environmental Engineering
Student Salary	iGEM 2015	Jung	Mok	Biology (BIO)	Thomas	Barker	Biomedical Engineering
Student Salary	Universal Wireless Remote Controller	Aneri	Muni	Electrical and Computer Engineering (ECE)	Fumin	Zhang	Electrical and Computer Engineering
Student Salary	Influence of Dehydration on Fine and Gross Neuromotor Functioning	Asahi	Murata	Physics (PHYS)	Mindy	Millard-Stafford	Applied Physiology
Student Salary	IGEM	Jordan	Nafekh	Chemical and Biomolecular Engineering (CHBE)	Thomas	Barker	Biomedical Engineering
Student Salary	iGEM 2015	Julianne	Oliver	Biochemistry (BCHM)	Thomas	Barker	Biomedical Engineering
Student Salary	The Involvement of Matrix Metalloproteinases in the Progression of Tendinopathy	Emma	Poe-Yamagata	Biomedical Engineering (BMED)	Johnna	Temenoff	Biomedical Engineering
Student Salary	Stabilization of the Solid Electrolyte Interphase of Lithium-Ion batteries through the use of Nickel thin films.	Marco	Scaglia	Materials Science and Engineering (MSE)	Gleb	Yushin	Materials Science and Engineering
Student Salary	PRISM – Pseudomonas Restriction through Inhibition of Small Molecules	Andrew	Scardino	Electrical Engineering (EE)	William	Hunt	Electrical and Computer Engineering
Student Salary	Understanding the Value Perceptions, Usage Patterns, and Emotional Involvement on Facebook of Older Adults Who Live Alone	Banafsheh	Shoai	Biology (BIO)	Wendy	Rogers	Psychology
Student Salary	HPC Study to Quantify the Factors Affecting Conductive Percolation Analysis	Won Sup	Song	Mechanical Engineering (ME)	Raghuram	Pucha	Mechanical Engineering
Student Salary	Reconstructing Climate Variability in the Central Tropical Pacific during the Little Ice Age	Colin	Stone	Biochemistry (BCHM)	Kim	Cobb	Earth and Atmospheric Sciences
Student Salary	iGEM Competition 2015	Yael	Toporek	Biology (BIO)	Thomas	Barker	Biomedical Engineering
Student Salary	Inter- and intralimb joint coordination during locomotion: Insights from decreased sensory feeback	Margaret	Underdahl	Mechanical Engineering (ME)	Young-Hui	Chang	Applied Physiology
Student Salary	Role of miRNA 199-3p in aortic valve calcification	Nicolas	Villa-Roel	Biomedical Engineering (BMED)	Hanjoong	Jo	Biomedical Engineering
Student Salary	Temperature Flow based Recognition of Materials from Short Duration Contact with Varying Initial Conditions	Joshua	Wade	Mechanical Engineering (ME)	Charles	Kemp	Biomedical Engineering
Student Salary	Genomic Characterization of In Vitro Blood Brain Barrier Models	Cole	Weiler	Mechanical Engineering (ME)	YongTae	Kim	Mechanical Engineering
Student Salary	Controlling Endocytic Uptake of Protein Nanoparticles	Debra	Wu	Chemical Engineering (CHE)	Julie	Champion	Chemical and Biomolecular Engineering
Student Salary	Noise Filtering and Pattern Recognition for Food Intake Monitoring with A Wearable Neckwear Device	Zhongtao	Yang	Electrical and Computer Engineering (ECE)	Maysam	Ghovanloo	Electrical and Computer Engineering
Student Salary	Bringing Environmental Health Excellence to the Bon Accord and Pigeon Point Communities: Using Drainage as a Tool to Improve Environmental Health	Rebecca	Yoo	Civil Engineering (CE)	Joseph	Brown	Civil and Environmental Engineering
Student Salary	Shame and Guilt Proneness: Understanding their Relation to Rumination, Action-State Orientation, and Counterproductive Work Behavior	Kellie	Zeigler	Psychology (PSY)	Howard	Weiss	Psychology
Student Salary	Energy Harvesting for Power Management of Implantable Devices	Yuanda	Zhu	Electrical Engineering (EE)	Ying	Zhang	Electrical and Computer Engineering
Travel	Design and Optimization of a Disaggregated Constellation for Space Situational Awareness	Luke	Alexander	Aerospace Engineering (AE)	Mark	Holzinger	Aerospace Engineering

Travel	Designing an In-Home Scalable Robotic Exoskeleton and Tablet Gaming Suite for Hand Function Rehabilitation for Neurological Disorders	Jennifer	Hunter	Computer Engineering (CMPE)	Ayanna	Howard	Electrical and Computer Engineering
Travel	Designing an In-Home Scalable Robotic Arm and Tablet Gaming Suite for Hand Function Rehabilitation for Neurological Disorders	Jonathan	Tuck	Electrical Engineering (EE)	Ayanna	Howard	Electrical and Computer Engineering
Travel	Robust Video Segmentation with Painless Occlusion Handling	Zhengyang	Wu	Computer Science (CS)	James	Rehg	Interactive Computing