Award Type | First Name | Last Name | Major | Mentor First Name | Mentor Last Name | Mentor Department | Project Title
--- | --- | --- | --- | --- | --- | --- | ---
Salary Award | Graham | Michael | Mechanical Engineering (ME) | Michael | Silk | Mechanical Engineering | Stepwise Polarity Tuning of a Coated Robotic Arm with Compact Electromyography Actuation
Salary Award | Aditya | Rupali | Mechanical Engineering (ME) | Rupali | Smith | Mechanical Engineering | Reduced Order Modeling of Engine Effects on Aerodynamics for Design, Modeling, and Simulation
Salary Award | Yuan | Ting | Aerospace Engineering (AE) | Ting | Wang | Aerospace Engineering | Effects of Carbonyl Compounds on Exhaled Breath Constituents
Salary Award | Ting | Jiang | Aerospace Engineering (AE) | Jiang | Xing | Aerospace Engineering | Synthesis of Inflamed Proteinaceous Matrices for Engineered Monolayer Formation in In Vivo Blood-Brain Barrier Models
Salary Award | Ting | Jia | Computer Science (CS) | Jia | Kang | Computer Science | SLAM on Distributed Robotic Systems
Salary Award | Ting | Cailin | Mechanical Engineering (ME) | Cailin | Zhu | Mechanical Engineering | Robot perception for dynamic grasping data in clutter
Salary Award | Huan | Xiao | Biomedical Engineering (BME) | Xiao | Liu | Biomedical Engineering | Characterization of Nociceptor Immunopathology in Response to Alzheimer's Pathology
Salary Award | Yue | Bao | Mechanical Engineering | Bao | Liu | Mechanical Engineering | Retrograde Perfusion and Perfusion-Assisted Urban Air Mobility
Salary Award | Yin | Xinju | Chemical and Biomedical Engineering (CBE) | Xinju | Liu | Chemical and Biomedical Engineering | Redesign of Sugar Space Jumpers for Enhanced Climbing while Maintaining High Energy Qualities
Salary Award | Liu | Chang | Chemical and Biomedical Engineering (CBE) | Chang | Yang | Chemical and Biomedical Engineering | Nanodroplets of the Gold Nanoparticles in the Insertion of Some into Liposome Matrix
Salary Award | Yu | Yanzhu | Chemical and Biomedical Engineering (CBE) | Yanzhu | Zhang | Chemical and Biomedical Engineering | Engineered Nanopores Self-Assembled On Chip to Enable Microfluidic Devices of Cellular Metabolites
Salary Award | William | Christopher | Chemical and Biomedical Engineering (CBE) | Christopher | Russo | Chemical and Biomedical Engineering | Quartzing the Safety of a New Method of Retinal Drug Delivery
Salary Award | John | Thomas | Chemical and Biomedical Engineering (CBE) | Thomas | Zhang | Chemical and Biomedical Engineering | Quantification of Engineered Dynamic Events in Mammalian Cell Nuclear Magnetic Resonance Imaging
Salary Award | Andrew | Matthew | Biology B(II) | Matthew | Towner | Biotechnology Sciences | Creating Stiff Polysaccharide Materials
Salary Award | Robert | Olga | Computer Engineering (CE) | Olga | Zhang | Biomedical Engineering | Online Distribution Assignment for Neural Decoding
Salary Award | Sarah | deposit | Chemistry (C) | deposit | Zhang | Chemistry and Biochemistry | Virus Like Particles as a Delivery Vehicle for Malignant Cells
Salary Award | Andrew | washer | Environmental Science (ENVS) | washer | Zhang | Chemical and Biomedical Engineering | Invasive Microbial Pathogenicity in Performing electrochemical separations of brackish water through membrane CDR
Salary Award | Sarah | Zhaoxi | Neuroscience (NEURO) | Zhaoxi | Brown | Psychology | Stress effects on the ability to learn statistical regularities about our world
Salary Award | Joseph | Eber | Chemical and Biomedical Engineering (CBE) | Eber | Zhang | Chemical and Biomedical Engineering | Quantiﬁcation Genetic Load in Aged Individuals
Salary Award | Lizmary | Noemi | Chemical and Biomedical Engineering (CBE) | Noemi | Zhang | Chemical and Biomedical Engineering | Ultrasonic Doppler of Nanosolid
Salary Award | Eugene | Aveline | Biomedical Engineering (BME) | Aveline | Kim | Biomedical Engineering | Development of a Tissue and Sacral Venous Sinus Flow Model for Real-Time Phacochromatographic Imaging Blood Oxygen Saturation Measurements for Trauma
Salary Award | John | Andrew | Industrial Engineering (IE) | Andrew | Vashisht | Materials Science and Engineering | Iron Ferrite Carbon Nanofibers in Sodium Ion Batteries
Salary Award | John | Matthew | Mechanical Engineering (ME) | Matthew | Burns | Mechanical Engineering | Device and Construction of a Miniaturized Light Field Endoscope System
Salary Award | Benjamin | Jon | Chemistry (CHEM) | Jon | Zhang | Materials Science and Engineering | Connecting Variations in Cation Mobility in Vapour Phase Infiltrated Polyethylene (epichlorohydrin) Hybrid Matrices to Macroscopic
Salary Award | Gabriel | Thomas | Mechanical and Biomedical Engineering (MME) | Thomas | Zhang | Mechanical Engineering | Line-Profile Plastic Deformation for a Straight Biomedical Implant
Salary Award | Katherine | Joseph | Biomedical Engineering (BME) | Joseph | Zhang | Materials Science and Engineering | Identification of DNA Apoptosis Candidates for a Molecular Cancer Target
Salary Award | Nathan | Karl | Biomedical Engineering (BME) | Karl | Zhang | Biomedical Engineering | Synthesis and Topological Delivery of Phospholipase A2 Liposomes
Salary Award | Jonathan | George | Electrical Engineering (EE) | George | Zhang | Biological Engineering | Nanoparticle Electrostatics of Inhalant Delivery for Respiratory Immunization Model
Salary Award | Maxwell | Kainan | Chemical and Biomedical Engineering (CBE) | Kainan | Zhang | Chemical and Biomedical Engineering | Building a cell-free biosensor to quantify a pathogenic infection with a glucose monitor
Salary Award | Michael | Brandon | Aerospace Engineering (AE) | Brandon | Zhang | Aerospace Engineering | Cost-Effective Nanoplasmonic Lens in Visible to Near-Infrared
Salary Award | Kevin | Kevin | Biomedical Engineering (BME) | Kevin | Zhang | Biomedical Engineering | Development of a Decellularized, Graphene Monolayer, for Isolated Muscle Tissue
Salary Award | Brandon | Niyong | Biomedical Engineering (BME) | Niyong | Zhang | Biomedical Engineering | STC Co-Culture Infitrity in its as an in vitro Breast Cancer Tumor Model
Salary Award | Timmy | Niyanthi | Biology (BIO) | Niyanthi | Zhang | Chemistry and Biochemistry | Synthesis of Substituted Indoles from α,β-unsaturated Esters and Ethyl Esters
Salary Award | Donald | Nikola | Mechanical Engineering (ME) | Nikola | Zhang | Mechanical Engineering | Nanorobotic Mechanical Manipulation of Complex Optical Activity (Polarized Light) and Post-PAX Activity
Salary Award | John | Patol | Aerospace Engineering (AE) | Patol | Zhang | Aerospace Engineering | Development of an Additively Manufactured, Graphite Monolayered Thruster for the NASA JPL Lunar Fastigial Cubed Mission
Salary Award | John | Joseph | Mechanical Engineering (ME) | Joseph | Zhang | Mechanical Engineering | Magnetic Nanoparticle Development Using a Magnetic Field Technology
Salary Award | John | Peter | Materials Science and Engineering (MSE) | Peter | Zhang | Materials Science and Engineering | Predicting Properties of ALD Films through Machine Learning
Salary Award | Jason | Olivia | Aerospace Engineering (AE) | Olivia | Zhang | Aerospace Engineering | Mechanical Characterization of Nanophotonic Devices at 1.55 μm
Salary Award | John | David | Mechanical Engineering (ME) | David | Zhang | Mechanical Engineering | Development of a Pneumatic, Double-Loops, Low-Profile, Ionic Membrane
Salary Award | John | Eric | Aerospace Engineering (AE) | Eric | Zhang | Aerospace Engineering | Analysis of Hypersonic Flows in a Square Tunnel at Mach 2
Salary Award | John | Andrew | Aerospace Engineering (AE) | Andrew | Zhang | Aerospace Engineering | Fabrication of a Field Emitting CNT-based Cathode as a Charge Neutralization Mechanism for EP Spacecraft in a Plasma Environment
Salary Award | John | Evan | Electrical Engineering (EE) | Evan | Zhang | Electrical and Computer Engineering | Circular Patch Radiocommunicator Design for a Technology Demonstration of Wireless Power Transfer Using a Fully Transparent Antenna
Salary Award | John | Ethan | Biomedical Engineering (BME) | Ethan | Zhang | Biomedical Engineering | A New Model of Alzheimer's in Mice
Salary Award | John | Frank | Computer Science (CS) | Frank | Zhang | Computer Science | Development of a Cell-Free Zinc Biosensor Quantified Utilizing a Perfluorinated Glycoside Monomer
Salary Award | John | Ashley | Biomedical Engineering (BME) | Ashley | Zhang | Biomedical Engineering | Compressive Analyses in In Vivo Biomechanical and Whole-Body Uniaxial Uniaxial Load
Salary Award | Jon | Liam | Mechanical Engineering (ME) | Liam | Zhang | Mechanical Engineering | Investigation of Cryosurgery at Zirconium Dioxide Thin Films Grown via Atomic Layer Deposition (ALD)
Salary Award | John | Thomas | Chemical and Biomedical Engineering (CBE) | Thomas | Zhang | Chemical and Biomedical Engineering | Development of a Self-Initiated Zirconium Quantified Utilizing a Perfluorinated Glycoside Monomer
Salary Award | John | Magesh | Biomedical Engineering (BME) | Magesh | Zhang | Biomedical Engineering | Compression Analyses in In Vivo Biomechanical and Whole-Body Uniaxial Uniaxial Load
Salary Award | Jon | Jason | Mechanical Engineering (ME) | Jason | Zhang | Mechanical Engineering | Study of Hydroxyapatite Membrane Mechanics for Application in Micro-robotics
Salary Award | John | Alex | Materials Science and Engineering (MSE) | Alex | Zhang | Materials Science and Engineering | Study of Hydroxyapatite Membrane Mechanics for Application in Micro-robotics
<table>
<thead>
<tr>
<th>Award Type</th>
<th>First Name</th>
<th>Last Name</th>
<th>Major</th>
<th>Mentor First Name</th>
<th>Mentor Last Name</th>
<th>Mentor Department</th>
<th>Project Title</th>
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<tr>
<td>Travel Award</td>
<td>Ziyang</td>
<td>Zhang</td>
<td>Mechanical Engineering (ME)</td>
<td>Ye</td>
<td>Zhao</td>
<td>Mechanical Engineering</td>
<td>Model and Control of Robust Contact-Rich Manipulation Skills</td>
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<td>Zhao</td>
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<td>Swang</td>
<td>Biomedical Engineering</td>
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<td>Industrial Engineering (IE)</td>
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<td>Bhamla</td>
<td>Chemical and Biomolecular Engineering</td>
<td>Leveraging the physics of a barbecue lighter to genetically transform living organisms</td>
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<td>Biomedical Engineering</td>
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<td>Earles</td>
<td>Public Policy (PUBP)</td>
<td>Omar</td>
<td>Asensio</td>
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<td>Peterson</td>
<td>Electrical and Computer Engineering</td>
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<td>Environmental Engineering (ENVE)</td>
<td>Joe</td>
<td>Stowers</td>
<td>Civil and Environmental Engineering</td>
<td>Microbial Water Quality in International versus Domestic Water Supply in Nagpur, India</td>
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<td>Batchek</td>
<td>Mechanical Engineering</td>
<td>Janus micromotors improve the catalytic efficiency of immobilized enzymes</td>
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<td>Computer Science</td>
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<td>Chang</td>
<td>Materials Science and Engineering</td>
<td>DNA Adsorption on Graphene: DFT Modeling Approach</td>
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<td>Weiss-Cowie</td>
<td>Applied Languages and Intercultural Studies (ALIS)</td>
<td>Brian</td>
<td>Hammer</td>
<td>Biological Sciences</td>
<td>CRP mediates commensal Escherichia coli resistance against pandemic Vibrio cholerae Type V1 Secretion System attack</td>
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<td>Zaragoza</td>
<td>Materials Science and Engineering (MSE)</td>
<td>Shih</td>
<td>Shienmau</td>
<td>Chemical and Biomolecular Engineering</td>
<td>Increasing sustainability of papermaking using polymeric complex coacervates</td>
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