Civil and Environmental Engineering  
Academy of Distinguished Alumni  
Undergraduate Research Opportunity Program (UROP)  

Academy of Distinguished Alumni Sponsorship funds are put to valuable use supporting the CEE Department Undergraduate Research Opportunity Program (UROP). UROP is a highly selective program that targets the top 20 to 25 high school students admitted to CEE every year and offers each of them a guaranteed faculty-mentored undergraduate research experience, along with research-focused seminars and a $4,000 stipend. The program is intended to help bring these outstanding students to campus for both their benefit and the department’s, with the long-term goal of producing outstanding graduates whose contributions improve our world.

Through the generosity of the Academy of Distinguished Alumni sponsors, the Academy donated $25,000 each year to support the first UROP cohorts in 2013, 2014 and 2015. In 2016, the Academy contributed $65,000 to the UROP program and in 2017, the Academy contributed $75,000. This is a great outcome for our students. We hope to be able to provide a similar level of support in 2018. UROP recipients for each year are listed below:

CLASS OF FALL 2013 WITH RESEARCH PROJECTS AND FACULTY SPONSORS:


Anthony Privitera – Car Sharing and Its Impacts on Travel Behavior (Susan Shaheen)

Brandon Wong – Numerical Damage Modeling of Structures Under Earthquake Loading (Filip Filippou)

Alyssa Yu – Investigation of Changes in Anammox in the Presence of Different Support Media and Their Isolation Using Ichip (Yoram Rubin)

CLASS OF FALL 2014 WITH RESEARCH PROJECTS AND FACULTY SPONSORS:

Matthew Choi – Mechanical Properties of Stuvite-K: An Experimental Study (Paulo Monteiro)

Judy Guo – Predicting the Future: Earthquake Engineering and Structural Analysis Through MATLAB (Filip Filippou)

Frank He – Mapping and Analysis of Fire Severity and Its Effect on the Modeled Vegetation Regrowth in the Sierra Nevada (Sally Thompson)

Dylan Kato – Wetland Surface Elevation Response to Tidal Cycles (Evan Variano)

Monica Liu – Predicting the Future: Earthquake Engineering and Structural Analysis Through MATLAB (Filip Filippou)

Suraj Patel – Rotating Carbon Nanotubes Membrane for Water Desalination Content (Shaofan Li)

Andrew Veenstra – Recession Analyzer: A Web Application for Methodological Analysis of Power Law Recessions (Sally Thompson)

CLASS OF FALL 2015 WITH RESEARCH PROJECTS AND FACULTY SPONSORS:

Tamika Bassman - Compression Behavior of Reinforced HyFRC (Claudia Ostertag)

Alexander Ryan Danto – Mapping Motor Vehicle Activity and Emissions at High Spatial Resolution (Robert Harley)

Mark Jaffee – Innovative Mobility: Carsharing in North & South America (Susan Shaheen)

Devansh Jalota – Carpool Lane Dynamics (Michael Cassidy)

Daryn Lee – Artificial Tree for Solar Powered Desalination (Baoxia Mi)

Danny Leyva – Artificial Intelligence (AI) Enabled Modeling of Natural Hazards’ Effects on the Built Environment (Jack Moehle)

Arisa Nguyen – Trichloroethene dechlorination by Dehalococciodes mccartyi and Desulfovibrio vlugareis co-culture in a membrane bioreactor (Lisa Alvarez-Cohen)

Pallavi Panyam – Research in Shared Mobility Systems (Susan Shaheen)

Stephen Shelnutt – Shear Strength of Dry Joint Bridge Segments with HyFRC (Claudia Ostertag)

Emily You - Energy Systems Optimization (Scott Moura)
CLASS OF FALL 2016 (To be matched to a research advisor in fall 2018):

Talia Rae Arauzo
Mira Neva Chaplin
Dennis Chiu
Erin Saiki
Sage Sanam Shamsai
Ella Wang
Mike Wehrmeyer
Annie Zheng

CLASS OF FALL 2017 (To be matched to a research advisor in fall 2019):

Dorothy Bechler
John Bryant Cadiz
Ji Woo Choi
Jarek Chu
Matthew Grehm
Logan Trevor Hall
Joshua Bruce Jacoby
Trevor Wu
Jeannie Yi Pei Yang
Chris Yeon
Karlin Yiu