

Luis Galindo

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EDUCATION

Bachelors of Science in Civil Engineering, May 2015

The University of Texas at Austin, Cockrell School of Engineering
Computing Certificate, College of Natural Science
GPA: 3.46/4.00

Relevant Course Work:

Thermal Fluid Systems	Water and Wastewater Treatment Engr.	Hydraulic Engineering Design
Groundwater Hydraulics	Applied Thermodynamics	Hydrology

ACCOMPLISHMENTS

Inductee, Chi Epsilon Civil Engineering Honor Society	Fall 2013
Recipient, J.H. Robinson Endowed Scholarship	Fall 2013
Recipient, Christopher D. Anspach Friends of Alec Endowed Scholarship in Civil, Arch., and Envr. Engr.	Fall 2013
Recipient, Chevron Health, Environment, and Safety Scholarship	Fall 2013
McNair Scholar	Spring 2012
Inductee, Academic Leader Hall of Fame	Fall 2012
Recipient, Chevron Scholarship	Fall 2011

ACADEMIC EXPERIENCE

Undergraduate Research Assistant, Dept. of Mechanical Engineering, UT-Austin, 08/2012-Present

- Investigating electric and magnetic stimulation of microbial cells for biofuel applications
- Knowledgeable in cell cultivation
- Developed electrospun media and observed surface properties and fluid behavior
- Researched electrospinning theory and produced viable test samples under the supervision of Dr. Halil Berberoglu
- Learned to properly operate goniometer to measure contact angle of fluids using DROPimage software

Tutor, Mechanics of Fluids and Differential and Integral Calculus 08/2013 – 12/2013

- Assisted students to develop a better understanding of elementary fluid and differential/integral calculus concepts
- Prepared study material to help students in preparation for their midterms
- Organized study sessions that focused on improving student's weak areas of expertise

Study Abroad, Energy Conversion Systems 06/2012-08/2012

- Developed mathematical models and designed a concentrated solar power system
- Learned Visual Basic and basic programming skills
- Enhanced global competency skills

PROFESSIONAL EXPERIENCE

Environmental Intern, Chevron Summer 2013

- Developed knowledge of environmental regulations and procedures for Pennsylvania
- Analyzed the 2013 spill data from January 1st - June 30th for possible opportunity for containment on well sites
- Provided product recommendation that could save business unit ~\$63,500 per year
- Created spreadsheet containing possible analytes and their MCL's for drinking water and groundwater in PA, OH, and WV

LEADERSHIP EXPERIENCE

Student President and Project Lead, Engineers Without Borders (EWB) 03/2011 – Present

- Increased chapter membership by 95% in the fall semester of 2013
- Presented bio sand filter project at EWB's 2012 International Conference
- Led a group of students to an indigenous tribe in Panama twice to implement a water distribution system
- Constructed aerial crossing pediments and a 55 gallon bio sand filter by means of sustainable solutions
- Wrote technical and health/safety reports

SKILLS

Bilingual in English and Spanish

Research oriented

Proficient in SolidWorks, Python, HEC-RAS, ArcGIS, Microsoft Word, Excel (Visual Basic), PowerPoint, and Outlook

Strong problem-solving and leadership skills