

Dan Campbell

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EDUCATION

- University of Texas, Austin** Aug '13 – Present
M.S./ PhD Track in Mechanical Engineering
- Thesis: *Coupling Algae Biofilm Cultivation with Wastewater Treatment for Sustainable Biomass Production and Nutrient Recycling*
- Rice University, Houston** Aug '09 – May '13
B.S. in Civil Engineering; Minor in Energy and Water Sustainability
- Thesis: *Mixed Use Residential Development Design with Brown Field Site Remediation*

SKILLS

- 1 year experience using MatLab for modeling
- 2 years experience AutoCad for drafting and site planning
- 1 year experience using LabVIEW for data acquisition
- Expert user of Microsoft Word, Excel, and Powerpoint

COURSEWORK

Applied Fluid Mechanics	Advanced Thermodynamics	Environmental Chemistry
Incompressible Flows	Environmental Engineering	Environmental Law
Advanced Experimental Methods	Energy and the Environment	Air Pollution Control
Advanced Mechanics of Materials	Hydrology/ Hydrologic Design	Atmospheric Particulate Matter

WORK EXPERIENCE

- University of Texas, Austin, Graduate Researcher** Aug '13 – Present
- Creating both an analytical and numerical model for nutrient uptake and algal productivity in an biofilm photobioreactor
- University of Texas, Austin, Teaching Assistant** Sep '13 – Present
- Conducted Experimental Fluid Mechanics laboratory sessions for juniors in Mechanical Engineering
 - Evaluated lab assignments, quizzes and reports and performed individual and group tutoring for 27 students
- Rice University, Houston, Undergraduate Researcher** Dec '12 – May '13
- Performed flow tube experiments investigating affect of ammonia on nitrous acid formation in the presence of organic aerosols
 - Atmospheric pollutant data compilation and analysis in the greater Houston area
- Rice University, Houston, Undergraduate Researcher** Sep'12-May '13
- Design of a solar water desalination device
- Turner Construction Company, San Jose, CA, Assistant Project Engineer** May '11/'12 – August '11/'12
- Updated and verified project drawings and blueprints
 - Verified and approved subcontractor submittals and contract work
 - Performed and documented safety audits
 - Served as intermediate between architect and subcontractors

AWARDS AND MEMBERSHIPS

- 2013 Leigh Family Endowed Graduate Fellowship in Mechanical Engineering recipient
- 2012 Rice University Global Engineering and Construction Scholarship Recipient

- Rice University Chi Epsilon Honor Society member 2013
- Rice University HuMed medical outreach program 2010
- American Society of Civil Engineers 2010-2013
- Engineers Without Borders 2010-2011