

Daniel Howsmon

2910 Tulip River Ct.
Kingwood, TX 77345

Daniel.Howsmon@gmail.com
(832) 477-1997

6 25th Street, Apt. 1
Troy, NY 12180

EDUCATION

Texas A&M University, College Station, Texas August 2008 – December 2012
Bachelor of Science in Chemical Engineering
Bachelor of Science in Biochemistry
Overall GPR: 3.938

Rensselaer Polytechnic Institute, Troy, New York August 2013 – Present
Doctor of Philosophy in Chemical Engineering

HONORS

Engineering Scholars Program, Dwight Look College of Engineering
Foundation Honors, Texas A&M University
University Honors, Texas A&M University
Outstanding Graduating Senior Award Fall 2012, Department of Chemical Engineering, Texas A&M University

RESEARCH

Department of Chemical Engineering, Texas A&M University
Jayaraman Laboratory August 2010 – May 2013

- Performed site-directed mutagenesis to study protein/ligand interactions
- Conducted studies on bacterial chemotaxis

Shantz Laboratory May 2010 – August 2010

- Created and characterized porous powder for separation processes
- Grafted molecules on silicon membranes for separation processes

Department of Chemical Engineering, University of Pittsburgh
Parker Laboratory May 2012 – August 2012

- Analyzed parameter sensitivity in a neutrophil model of cancer and inflammation

WORK EXPERIENCE

Department of Residence Life, Texas A&M University
Resident Advisor August 2009 – May 2012

- Developed an inclusive environment by promoting diversity and social justice through a variety of community-wide programs
- Served on an on-call, crisis management duty rotation
- Assisted residents in their personal, academic, and social issues
- Connected residents with various university services and organizations

VOLUNTEER EXPERIENCE

St. Joseph's Regional Health Center, College Station, Texas
South College Station ER Volunteer August 2010 – June 2011

- Accumulated 175+ hours
- Recorded patients' vital signs
- Aided nurses, doctors, and technicians in conducting medical procedures
- Maintained a clean, well-stocked environment

ACTIVITIES

Texas A&M Powerlifting, Texas A&M University
Assistant Coach August 2012 – Present

- Implemented a three-week, pre-season training camp
- Monitored lifter strength and development

Webmaster August 2010 – May 2012

- Devised a website to recruit prospects and highlight team achievements
- Hosted an annual, state-wide powerlifting meet

Risk Management Officer August 2010 – May 2011

- Ensured club compliance with University risk management policy
- Obtained CPR/First Aid Certification to ensure team members' safety