

AMANDA LOUNSBURY

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EDUCATION

Yale University, New Haven, CT

Doctor of Philosophy, Environmental Engineering

Expected June 2017

Concentrations: green engineering, sustainable design, nanotechnology, water treatment

Awards/Honors: EPA STAR Fellowship (80 out of 1200 selected), ACS Green Chemistry NSF Scholar Fellowship

3 publications, 3 in preparation

Stanford University, Stanford, CA

Masters of Science, Environmental Engineering & Science

Awards/Honors: Stanford University Graduate Fellowship (4 out of 40 selected)

Occidental College, Los Angeles, CA

Bachelor of Arts, *Physics with Math*, Honors, GPA: 3.85, Magna Cum Laude

Awards/Honors: Phi Beta Kappa, Sigma Pi Sigma (American Physics Society Member)

4 publications

Study Abroad: **University of Hyderabad**, India, CIEE Hyderabad

PROJECT MANAGEMENT & COMMUNICATION EXPERIENCE

Nanotechnology Enabled Water Treatment (NEWT) NSF Center

New Haven, CT

Founding Member of the Student Leadership Council

2015-2016

- Developed, defined, and advertised centers' student goals, by-laws, budget, activities, and responsibilities on a team of 9
- Created, implemented, and oversaw outreach event for 20 underprivileged high school students with 3 volunteers
- Above event has been adopted as annual event across all universities
- Communicate regularly with Center PI's, staff, and students to ensure and enhance center function
- Analyze strengths and weaknesses of NEWT through annual online survey to NEWT student body
- Presented improvement strategies and results of 1st year above survey to NSF evaluation board and PI's

Yale University, Chemical and Environmental Engineering Association of Graduate Students

New Haven, CT

Co-Founder

2013-2016

- Cultivated and co-ran organization to promote community and professional development skills across the departments 50 students
- Organized, co-facilitated, and budgeted \$3,000 total for monthly public speaking and bi-annual community engagement events

Association of Environmental Engineering and Science Professors 2015 Conference

New Haven, CT

Activities and Networking Group Chair

2014-2015

- Led team of 2 other students to plan conference social events on \$10,000 budget
- Established and delegated course of action
- Contacted and solicited drink and food vendors for 3 separate events for 50-450 people
- Secured event spaces and additional resources
- Oversaw event set-up and carryout

Yale University, McDougal Center

New Haven, CT

McDougal Graduate Student Life Fellow

2012-2014

- Designed and implemented bi-monthly student life events attended by 50-150 students each month
- Developed and instituted a new, sustaining pricing scheme and business model for the yoga classes at the Yale Gym in collaboration with gym manager
- Collaborated with faculty and staff to identify and schedule guest presenters and professionals
- Procured facilities and supplies, oversaw teams of up to five student workers, developed and executed marketing plans and managed an annual budget of \$3000

PUBLIC POLICY & INTERNATIONAL TECHNOLOGY IMPLEMENTATION EXPERIENCE

Yale University, School of Engineering and Applied Science Advanced Graduate Leadership Program

Boston, MA

WASH Technology Transfer for Emergency Situations and Development Intern

2014-Present

- Attend monthly courses on professional development, leadership and marketing by invited speakers
- One semester internship analyzing and synthesizing public health and technology transfer data to produce publishable fact sheets for development organizations such as WHO and USAID (for fall semester 2016)