

# Catherine Hu

1693 Broadway St. Apt 104 ▪ Ann Arbor, MI 48105 ▪ 248-705-1691 ▪ catjhu@umich.edu

## OBJECTIVE

Seeking a position as a chemical engineer working in the environmental field.

## EDUCATION

May 2015  
Ann Arbor, MI

### University of Michigan

*B.S.E in Chemical Engineering*

*Specialized Study in Sustainable Engineering*

GPA: 3.560/4.0

- Mass and Heat Transfer
- Separation Processes
- ChE Lab I
- Sustainable Engineering Principles
- Reaction Engineering Design

Summer 2013  
Munich, Germany

### Munich University of Applied Sciences

*Engineering for Sustainability*

- Five week study abroad program with courses taught in English by professors from the Munich University of Applied Sciences, Strascheg Center for Entrepreneurship, and California Polytechnic State University
- Renewable Energies
- German Language & Culture
- Innovation and Entrepreneurship for Green Technologies

## EXPERIENCE

5/2014-8/2014  
Ann Arbor, MI

### Pacific Industrial Development Corporation

*Applications Engineer Intern*

- Worked on projects for the automotive, abrasives, and polishing industries
- Helped with testing of catalyst support materials, researching, making, and testing abrasive slurries, and assisting with reactor loading and sample preparation

9/2013-12/2013  
Ann Arbor, MI

### University of Michigan Department of Chemical Engineering

*Research Assistant, Prof. Solomon Laboratory*

- Worked on reverse engineering bacterial biofilms by optimizing model bacteria system
- Received training in microscopy, computer image processing, and microbiology

9/2011-6/2013  
Ann Arbor, MI

### University of Michigan Department of Earth & Environmental Sciences

*UROR Research Assistant, Prof. Smith Laboratory*

- Worked on collecting data to better understand the evolution of ginger plants and relatives
- Compiled x-ray tomographs of ginger seeds and studied their structure and composition using the computer program Avizo
- Used Excel and PowerPoint to create poster and present research at symposium

## ACTIVITIES

1/2012-present  
Ann Arbor, MI

### Society of Women Engineers (SWE)

*2014-15 Secretary, 2012-13 Elementary Outreach Officer, SEE Camp 2013 Co-Director, SWE/TBP Career Fair 2013 Volunteers Co-Chair, 2013-14 Community Relations Co-Chair*

- Coordinated elementary school visits to expose students to engineering by doing hands-on activities
- Led committee in organizing SWE's Summer Engineering Exploration (SEE) Camp, a one week residential camp for 40+ high school students
- Assisted in recruiting and organizing volunteers for the student run SWE/TBP Career Fair
- Planned collaborative community service events, including a 5K charity Fun Run

## ADDITIONAL

Campus Band Fall 2011 & Fall 2013

UM Sustainable Food Program Friends of Campus Farm volunteer