

# Natalie Goh

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## EDUCATION

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<b>University of California, Berkeley</b>   Berkeley, CA	<b>Fall 2017 – Present</b>
Ph.D Student, Chemical and Biomolecular Engineering Research Advisor: Markita Landry	
<b>Cornell University</b>   Ithaca, NY	<b>2017</b>
Bachelor of Science, Chemical and Biomolecular Engineering, <i>Summa Cum Laude</i>	

## AWARDS AND HONORS

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ConocoPhillips Scholarship	<b>2017</b>
Tau Beta Pi Engineering Honor Society	<b>2016</b>
SWE Region E Scholarship	<b>2015</b>
AICHE Donald F. Othmer Sophomore Academic Excellence Award	<b>2015</b>

## RESEARCH EXPERIENCE

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<b>University of California, Berkeley</b>   Landry Lab, <i>Graduate Student Researcher</i>	<b>2017 – Present</b>
<ul style="list-style-type: none"><li>Developing methods for the conjugation and release of biomolecules that are delivered into plant cells using functionalized nanomaterials</li></ul>	
<b>Cornell University</b>   Lara Estroff Group, <i>Undergraduate Researcher</i>	<b>2016 – 2017</b>
<ul style="list-style-type: none"><li>Redesign of a double diffusion system for the purpose of studying cell populations in varying mineralization conditions</li><li>Gained skills in wet-lab experimentation, biosafety cabinet operation, and lyophilizer usage</li></ul>	

## TEACHING EXPERIENCE

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<b>Cornell University</b>   Ithaca, NY, <i>Teaching Assistant</i>	
<i>ChemE 3720 – Introduction to Process Dynamics and Control</i>	<b>Spring 2017</b>
<i>ChemE 2190 – Mass and Energy Balances</i>	<b>Fall 2016</b>
<i>ChemE 3230 – Fluid Mechanics</i>	<b>Spring 2016</b>
<i>CS 1112 – Introduction to MATLAB</i>	<b>Fall 2014</b>
<i>Prefreshman Summer Program (Chemistry)</i>	<b>Summer 2014</b>

## PROFESSIONAL EXPERIENCE

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<b>Accenture</b>   Singapore, <i>Technology Consulting Intern</i>	<b>Summer 2016</b>
<ul style="list-style-type: none"><li>Prepared materials for inter-team communication and for client meetings</li><li>Facilitated bi-weekly inter-team meetings to enable smooth execution of projects</li><li>Participated in estimation evaluation and design process of help portal</li></ul>	
<b>Paladino and Company</b>   Washington, DC, <i>Commissioning Intern (Co-op)</i>	<b>Aug. - Dec. 2015</b>
<ul style="list-style-type: none"><li>Contributed to implementation of fundamental and enhanced commissioning for over 15 large scale business transformation projects</li><li>Conducted on-site visits and meetings with commissioning stakeholders at various stages of construction</li><li>Performed functional testing on HVAC systems</li></ul>	

## **OUTREACH EXPERIENCE / CAMPUS INVOLVEMENT**

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**Tau Beta Pi National Engineering Honor Society**, Cornell University, *Member* **Spring 2016 – Spring 2017**

**Cornell Club Softball**, Cornell University, *Member*

**Fall 2014 – Spring 2017**

**Society of Women Engineers**, Cornell University, *Girl Scouts Day Outreach Chair* **Fall 2014 - Spring 2015**

- Led weekly meetings with organizing committee to manage responsibilities and maintain timeline
- Executed STEM-related activities for over 100 Girl Scouts in collaboration with Cornell University AUV Project Team

## **PROJECT EXPERIENCE**

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**Shell Oil Company** | Robert, LA, *BOOST Program*

**Spring 2016**

- Modeled and tested three-phase separation process in a pilot plant
- Collaborated with fellow engineers and process operators to achieve desired three-phase separation via sample testing, process troubleshooting, and control loop tuning
- Gained familiarity with subsea drilling simulation control process and utilized P&IDs

**Cornell University Sustainable Design** | Cornell University, *Member*

*Wind Team (Climate Action Plan)*

**Spring 2015**

- Worked on feasibility report to assess the possibility of wind power near campus
- Assisted in building a wind turbine scale model and display
- Conducted outreach events, conducting surveys to determine public perception and attitudes towards wind turbines

*Infrastructure (People Development)*

**Fall 2014**

- Spearheaded the development of an anonymous feedback system within the organization
- Evaluated the efficacy of long-standing feedback structures
- Aided in the creation of a comprehensive leadership guidebook to provide guidance and resources for new leaders

## **SKILLS**

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### **Computer**

- Operating Systems: Microsoft, OS X
- Software: Microsoft Office, Mathematica, Adobe Illustrator, ASPEN, MATLAB

### **Language**

- English – Native speaker, reader, and writer
- Mandarin (Simplified) – Proficient speaker, reader, and writer