

Permanent Address

10781 Hidden Meadow Trail
 Corning, NY 14830

Charlie Xu

Cell Phone: (607) 329-2748
 E-mail: cyx2@cornell.edu

Campus Address

426 Eddy St., Apt. 4
 Ithaca, NY 14850

EDUCATION

Cornell University, College of Agriculture and Life Sciences, Ithaca, NY

May 2016

Bachelor of Science, Biological Engineering, Concentration in Bioprocess Engineering

Cumulative GPA 3.04/4.0

Coursework: Microbiology, Molecular and Cellular Bioengineering, Bioinstrumentation, Fluid Mechanics, Biotransport Processes, Thermodynamics, Biochemistry, Engineering Solids and Statics, Mechanics and Heat, Electricity and Magnetism, Organic Chemistry, Comparative Physiology, Principles of Biological Engineering, Cell Biology.

RELEVANT EXPERIENCE

Electricity & Magnetism Teaching Assistant, Cornell Department of Physics, Ithaca, NY

August 2014 – Present

- Mentors over 50 engineering physics students by explaining concepts and problem solving methodologies.
- Engages students by facilitating classroom demonstrations and explanations of physical phenomena.
- Connects the students to senior teaching staff by interacting with students during recitation and office hours.

Project Lead, Pearl, Ithaca, NY

August 2014 – Present

- Developed project from seed idea to mature concept by constructing a project charter and the business model.
- Recruited development team of talented individuals and defined organizational structure to create web application.
- Presents web application to general public and startup incubators to build user support and acquire funding.

Undergraduate Researcher, Jonathan Butcher Laboratory, Ithaca, NY

October 2013 – Present

- Advances research pertaining to three-dimensional bio-printing of living heart aortic valves and stem cell differentiation by contributing to original research publications and abstracts.
- Designs and performs experiments utilizing cell culture, RT-PCR, western blot, staining, advanced confocal and fluorescence imaging, quantitative analysis, photo-crosslinking and hydrogels.
- Awarded 2015 Cornell Engineering Undergraduate Research Grant, co-authored research publication and abstract.

Residential Community Advisor, Cornell Summer College, Ithaca, NY

June 2013 – August 2013

- Advised 20 high school students around-the-clock by providing information about campus service and resources, resolving critical conflicts and enforcing University rules and regulations.
- Managed weekly recreational programs by submitting proposals and budget requests, acquiring necessary resources, and collaborating with fellow advisors regarding program implementation, which served 20-500 students.
- Communicated across organizational levels by conducting weekly meetings with residents, submitting weekly reports to Head Resident, and addressing concerns and suggestions to Program Directors.

OTHER EXPERIENCE

Note Taker, TakeNote Inc., Ithaca, NY

August 2014 – Present

- Provides supplemental notes that impact over 400 students enrolled in BioG1500: Investigative Biology Laboratory.
- Presents material from lectures in a concise, organized form to be purchased by TakeNote subscribers.

Co-Publicity Chair, Cornell University Institute of Biological Engineers, Elmira, NY

May 2014 – Present

- Promotes the IBE organization and serves as representative to the student body and the University.
- Recruited over 100 members by paper advertising campaigns, announcements in lectures and advertising at events.

Chimesmaster, The Cornell University Chimes, Ithaca, NY

February 2013 – Present

- Prepares rigorous repertoire for year-round tri-weekly performances in the McGraw Chimes Tower.
- Represents the University and the Chimes by educating groups of 20-50 guests about the history of the organization.
- Manages social media accounts to reach over 650 followers and to rally the support of the surrounding community.
- Collaborates with fellow Chimesmasters to coordinate 10-week audition process and recruitment of new members.

SKILLS

- **Computing:** Proficient in Microsoft Office Suite, MATLAB, Java, Mac OS X, Windows and Linux Servers
- **Language:** Proficient in Mandarin, working knowledge in Spanish and Japanese