

Emily Roebling

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SUMMARY

Aspiring Bioengineer at the University of Illinois at Chicago (UIC). Passionate about the integration of life science and engineering. Interested in learning about how to develop innovative medical devices to improve patient care. Bringing experience with Excel as well as basic laboratory techniques.

EDUCATION

University of Illinois at Chicago (UIC)

Expected: May 2021

Bachelor of Science in Bioengineering

GPA: 3.00/4.00

Relevant Coursework: Bioengineering Thermodynamics, Modeling Physiological Data and Systems, Cell Biology

SKILLS

Computer: C/C++, MATLAB, Microsoft Word, PowerPoint, Excel, Adobe

Lab Techniques: Pipetting, Basic Microscopy

Language: Proficient in Japanese

EXPERIENCE

Dr. Valdez-Jasso (DVJ) Lab, Bioengineering Department, UIC Chicago, IL

May 2017-Sept. 2017

Research Intern

- Collaborated on a research team of eight students to investigate vascular adaptations to pulmonary hypertension
- Maintained a mouse colony of over 200 mice; fed and watered daily; kept meticulous mice count logs
- Assisted with harvesting hypertensive mouse vessels for later tubular biaxial testing
- Recorded and input collected data from mouse vessels into excel for future analysis
- Research was funded through a competitive first-year internship program at UIC: Guaranteed Paid Internship Program (GPIP)

Kumon Math and Learning Center, Wheaton, IL

June 2016-January 2017

Math Tutor

- After-school tutor for students aged 10-14; tutored students individually and in small groups
- Taught students basic math, algebra, geometry, and trigonometry
- Helped students with homework assignments, quizzed them on formulas, and helped them make flash cards

ACTIVITIES

Biomedical Engineering Society (BMES), UIC, Chicago, IL

November 2017-Present

Member

- Attend monthly BMES meetings, info sessions, workshops, and guest speakers
- Network with BMES members to obtain advice when looking for internship or research opportunities
- Volunteered on behalf of BMES during the UIC Student Service Day at the UIC Food Pantry

Rush University Medical Center, Chicago, IL

December 2017-Present

Volunteer

- Volunteer five hours per week in the in-patient care unit
- Help transport patients around the hospital; direct family members and visitors to areas of the hospital
- Provide assistance at the front-desk; file confidential patient medical records
- Sit with patients and provide good bed-side care