

SIDA WILSON

Mailto: ssw35@pitt.edu

Objective

Motivated bioengineering student passionate about cellular engineering seeking a co-op position at a medical product or pharmaceutical company that focus on end-user-oriented design.

Education

Bachelor of Science in Engineering | Expected 2022 | University of Pittsburgh

- **Major:** Bioengineering, Cellular Track | **Minor:** Hispanic Language and Culture
- Recipient of Academic Scholarship from Swanson School of Engineering, Friends of Quaker Valley Scholarship, and Quaker Valley Education Fund Scholarship
- 3.91 GPA

Relevant Experience

Undergraduate Researcher | University of Pittsburgh | May 2019 – Present

- CRISPR research in the Davidson Lab, a bioengineering lab
- Used data analysis techniques to identify which bioreceptors are integral to *Xenopus* gastrulation
- Applied data analysis to mammalian gastrulation model and mastered wet lab techniques

Project Lead | Engineers Without Borders – Pitt | September 2018 – Present

- International Public Health Lead & Bolivia Project Lead
- Aided in the planning and organization of a trip to Carijana, Bolivia to lead a sanitation-oriented service project. This included: communicating with professional contacts in-country, researching various technical and public health data collection techniques, and exhibiting time management to create an agenda
- Experience: fundraising (corporate and crowdfunding) with a record of \$10,000 in 2 weeks, public health data collection, end-user-oriented design, creative problem solving, leadership

Co-Author | Research Paper | January 2019 – April 2019

- Presented at the Swanson School of Engineering's First Year Engineering Conference
- "Biomimetic Materials: How Synthetic Shark-skin is Making Aircraft Carriers More Hydrodynamic"
- Recipient of Best Poster Award
- Cited in a presentation at the 2020 *Surface Summit* national conference in Detroit

Conference Presenter | Engineers Without Borders - USA | November 2019

- *Applicable Public Health Research Methods for Engineering*
- Co-led a 45-minute workshop at the 2019 Engineers Without Borders USA National Conference, in Pittsburgh, Pennsylvania

Relevant Skills

- **Computer skills:** coursework in HTML, JavaScript (limited), C, and MATLAB; proficient in Google Docs and Microsoft Office
- **Languages:** fluent in Thai and English, working professional in Spanish (able to write technical reports and act as a translator for conference calls)
- Experience conducting public health research (such as focus groups and surveys) and using community based participatory research methods (such as visual voices) to exercise end-user-oriented design and problem solving

Portfolio: <https://ssw355.wixsite.com/portfolio> | LinkedIn: <https://www.linkedin.com/in/sida-wilson/>