

REESE ENGINEER

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EDUCATION

University of Pittsburgh, Pittsburgh PA
Bachelor of Science in Bioengineering
Minor in Computer Science
GPA: 3.56

Expected Graduation: April 2021

SKILLS

Solid Works, SPSS Statistics, Mathematica, Matlab, LabVIEW, C/C++, Java, Python, Assembly Language, Microsoft Office

RELEVANT EXPERIENCE

Undergraduate Research Assistant

August 2019 – April 2020

Center for Biotechnology and Bioengineering Lab, University of Pittsburgh

- Led a group with three other peers in a capstone research project
- Studied the styrofoam degradation pathway in mealworms
- Used DNA sequencing techniques to find two bacterial families that initiated the process
- Examined worms' stomachs to determine chemical reaction—CO₂ and biodegradable waste
- Presented findings at year-end conference

Undergraduate Research Volunteer

June 2019 – August 2019

Project: Development of a User Friendly Hierarchical Scientific Database

- Assisted a graduate student with the programming code for an innovative scientific database to aid in their PhD research
- Applied knowledge of Matlab to integrate a graphical user interface in the form of a concept map
- Incorporated HTML help files for the command codes of the database

PLUS3 Study Abroad Program

May 2019

Beijing, China

- Participated in a two-week, three credit experience focusing on Chinese Biotech companies
 - Toured companies including Capital Bio, Han Von and Lenovo
 - Prepared a presentation on the trip to be given to prospective program participants at the university
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AWARDS & ACHIEVEMENTS

- Outside the Curriculum (OCC) Honorary Grant, University of Pittsburgh Summer 2019
 - Best Poster on Treating Abnormal Bleeding at the First-Year Engineering Conference Fall 2017
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LEADERSHIP & COMMUNITY INVOLVEMENT

Biomedical Engineering Society (BMES)

August 2018 – Present

Fundraising Chair

October 2019 – Present

- Leading a team of four students with a goal of raising \$2,700 for our society end of year dinner
- Assisted in the hosting of a fundraising event which raised \$30,000 for local children's hospital charities

Extra Life at Pitt (fundraising for Children's Hospital of Pittsburgh)

August 2018 – Present

Member