

Brennan Reamer

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Available May to August 2021
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Education

Wentworth Institute of Technology | Boston, MA Expected Graduation: April 2023
Bachelor of Science in Electromechanical Engineering Dean's List | GPA: 3.88/4.0

- 5-year interdisciplinary degree with focus in mechanical, electrical, and electromechanical systems engineering (ABET Accredited)

Minors: Applied Math, Computer Science, Business Analytics, Data Science
Relevant Courses: Mechanics of Materials, Partial Differential Equations, Network Theory II, Microcontrollers Using C

Skills

- Autodesk and SolidWorks CAD programming, NI Multisim circuit design
- 3D Printing, CNC Machine, digital multimeter, power supply, Arduino, Raspberry Pi
- Programming using MATLAB, LaTeX, Python, C, HTML, CSS
- Microsoft Office (Excel, PowerPoint, Word, SharePoint, Teams), Adobe Acrobat

Academic Projects

Robotic Hand Prosthetic for Friedreich's ataxia Fall 2020 to Spring 2021

- Collaborated with 2 professors and 3 senior engineering students to develop a robotic hand prosthetic to assist a patient with Friedreich's ataxia by increasing the range of motion of the patient's fingers

Partial Differential Equations Reference Document Fall 2020

- Authored a 47-page reference document on the topic of Partial Differential Equations with a detailed analysis on the Black-Scholes equation in financial mathematics
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Running Water Lead Detection Device Fall 2018 to Spring 2019

- Programmed a Raspberry Pi using Python to detect lead in running water as small as 15 parts-per-million and print if the water is safe to drink
- Conducted as a year-long project in a team of 2 with 3 presentations to a panel of 8 professional engineers throughout the process

Experience

SciRegs, Inc. | Columbia, MD | Administrative Assistant Summers 2018 to 2020

- Collaborated remotely with 6 coworkers and 5 international companies using Microsoft Teams, SharePoint, and LogMeIn
- Compiled 5+ Drug Master Files, each containing 50+ documents, for submission to the FDA

Bohemian National Cemetery of Baltimore | Baltimore, MD | Volunteer Summers 2017 to 2019

- Spearheaded the development of a centralized Excel database containing 2000+ entries using cross-referenced data from burial records and websites
- Streamlined the process of finding relevant information on cemetery members and their ancestors

Extracurriculars

Engineers Without Borders – WIT Chapter | Founder and President Spring 2020 to Present
United Nations Association – WIT Chapter | Founder and President Spring 2020 to Present
Wentworth Men's Soccer Team | Player Fall 2019 to Spring 2021

- Balanced a full 20-credit academic course load with 25 hours per week of games, travel, practices, and meetings