

# Brennan Reamer

Boston, MA | Columbia, MD  
(240) 432-1200 | [reamerb1@wit.edu](mailto:reamerb1@wit.edu)  
Available May to August 2021  
[www.brennanreamer.github.io](http://www.brennanreamer.github.io)  
[www.linkedin.com/in/brennanreamer](https://www.linkedin.com/in/brennanreamer)

## 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, 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