

# Brennan Reamer

Boston, MA | Columbia, MD

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Available May-August 2021

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## Education

Wentworth Institute of Technology | Boston, MA

Expected Graduation: April 2024

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: Introduction to Engineering with labs (SolidWorks, milling, forming, welding), Partial Differential Equations, Network Theory, Digital Logic, Microcontrollers Using C

## Skills

- Autodesk and SolidWorks CAD programming/3D Printing
- NI Multisim circuit design
- Various equipment including table saw, drill press, 3D Printer, CNC Machine, hand tools, breadboard, digital multimeter, power supply, microcontroller (Arduino and Raspberry Pi)
- Programming using MATLAB, LaTeX, Python, C, Verilog HDL
- Microsoft Office (Excel, PowerPoint, Word), Adobe Acrobat

## Academic Projects

Magnetic Racing Toy Design

Fall 2019

- Designed a modular, 3D-printed toy car with pieces that would connect to each other using magnets
- Created the toy to teach children the basics of aerodynamics by choosing which piece to put on which part of the car and allowing the child to customize the car however they wanted

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 parts-per-million and print if the water is safe to drink
- Connected the Raspberry Pi to an LMP91000EVM Development board, and a Screen-Printed Electrode
- Conducted as a year-long project with a series of presentations to a panel of professional engineers throughout the process

## Experience

SciRegs, Inc. | Columbia, MD | Administrative Assistant

Summers 2018 to 2020

- Created spreadsheets and analyzed large amounts of data using Excel
- Collaborated in creating Drug Master Files for submission to the FDA

Ranazul | Columbia, MD | Busser, Runner

August 2017 to June 2019

- Assisted customers with their requests
- Managed the delivery of food from kitchen to table
- Trained 10 new employees to be bussers and runners

## Interests

- Soccer, Robotics, 3D Printing using my Creality Ender 3 V2 printer, Founder and President of Engineers Without Borders Club, Founder and President of United Nations Association Club, Mountain Biking, Rock Climbing, Hiking