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**Education**

**Boston University College of Engineering,** Boston, MA

Bachelor of Science in Electrical Engineering (3.85/4.00), Dean’s List May 2021 exp.

**Relevant Coursework**

Electric Circuits, Programming for Engineers, Intro to Software Engineering, Electrodynamics/Electromagnetic Systems, Computational Linear Algebra, Engineering Design, Multivariable Calculus, Differential Equations

**Technical Skills**

**Programming:** MATLAB, C/C++, Julia, Linux

**Electronics:** Altium, PCB design, soldering

**Experience**

**Boston University Rocket Propulsion Group (BURPG)** Fall 2017 – Summer 2018

2017-2018 High-Powered Rocket Competition Team 3, Head of ECE

* Designed and built a high-powered rocket that both measured how the Earth’s magnetic field affects safe altitudes for astronauts and how cultures of bacteria reproduce at different rates at different altitudes and G-forces.
* Utilized team-made onboard AVR computers systems mounted on PCBs designed and printed in Altium to record data from sensors and make calculations.

**New York Hall of Science:** Corona, New York

Junior Research Fellow June 2016 – August 2016

* Collaborated with the NYSCI SciPlay division to kickstart a new research project for a graphic novel featuring a paleo-anthropologist as the protagonist.
* Performed QA testing for the newest NYSCI app Picture Dots.

**Projects**

**Reader Resume** Fall 2017

* Developed an app that evaluates users’ resumes and cover letters based on word choice. Uses the 100,000 most common English words and sample resumes from universities nationwide to determine if the user’s resume is sufficiently well-worded.
* Made in MATLAB using AppDesigner.

**Arc Clock** Fall 2018

* Designed and built a clock that uses LEDs in arcs to tell time.
* Implemented on a PCB designed in Altium with the Atmega 328P and 8-bit shift registers.

**Arcade Game**

* Created a retro arcade game using a Raspberry Pi and arcade controllers and buttons. Spring 2017

**Involvement**

**BU Rocket Propulsion Group**

Member, HPR Team Lead Fall 2017 – Summer 2018

**Boston University Pep Band**

Tenor Saxophone Section Leader Fall 2017 – Present