

Benjamin Livney

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Education

Boston University College of Engineering, Boston, MA

Bachelor of Science in Electrical Engineering

May 2021 exp.

Technical Skills

Programming: Python, C, MATLAB, JavaScript

Electronics: Altium, PCB design, soldering

Engineering Experience

Boston University Rocket Propulsion Group (BURPG)

Fall 2017 – Present

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

- Design and building 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.
- Designed and printed PCBs in Altium to record data from sensors and make calculations with team-made onboard computer systems.

Work Experience

New City Library: New City, New York

Page

July 2016 – August 2017

- Re-shelved books, DVDs, CDs, and magazines, as well as organized shelves, maintained the order of the books, and directed patrons to what they wished to find.

New York Hall of Science: Corona, New York

Junior Research Fellow

June 2016 – August 2016

- Conducted data collection and observation on the science playground and on the museum floor, integrated new iPads left over from the Playground Physics study into the iPad library.
- Managed and organized the Noticing Tools apps within TestFlight, conducted quality control on the new NYSCI app Picture Dots.

Languages

Conversational French

Involvement

BU Rocket Propulsion Group

Member, HPR Team Lead

Fall 2017 – Present

BU Pep Band

Member, Tenor Saxophone

Fall 2017 – Present