

# 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

**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

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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