

Edward Berman  
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### Education

Northeastern University | 2021 - Present

BS in Mathematics and Physics, GPA: 3.85/4.0

Relevant Coursework

- Advanced Linear Algebra, Discrete Structures, Multivariable Calculus, Modern Physics

Honors and Awards

- Dean's Scholarship, AP Scholar with Distinction

### Skills

Programming Languages

- Python, Java, Matlab, R; HTML, CSS, JS

Libraries/Frameworks

- Numpy, Matplotlib, Sage, Qiskit, three.js

Software Environments

- bash, Arch Linux, LaTeX, git, Procreate, Microsoft Office

Hardware Tools

- Raspberry Pi 4, Multimeter

### Experience

NU Students for the Exploration and Development of Space | 2021 - Present

- Active member for Rasc-al research group on the ISRU project where I help brainstorm ways to theoretically transport ice found on Mars using techniques such as a rodriguez well.

AerospaceNU | 2021 - Present

- Acquired some basic flow sim practices in Solidworks and Ansys before transitioning into a software role where I modeled fluid flow.

Hoosky Team Startup | 2021 - Present

- Designed and marketed original merchandise to compete with the bookstore options Northeastern University was selling to incoming students. Successfully sold over 600 units of clothing, stickers, bottles, and other accessories.

Coaching Experience | High school Summers

- Taught young children how to ice skate and play hockey both as a volunteer and worker. Organized drills and off ice activities for a 5 hour camp day for several weeks throughout the summer and occasional clinics during the winter.

### Programming Portfolio

Personal Website

- Used the three.js framework to create a website with 3-dimensional figures and animations to house all of my resume information as well as illustrate my passions.

Simple Harmonic Motion Calculator Animator

- Used matlab to create a downloadable app that models and saves a video for systems that can be modeled using simple harmonic motion such as an LC circuit or a mass on a spring.

Raspberry Pi

- Set up a Raspberry Pi 4 to mine cryptocurrency in the form of xmr while I did other tasks.

### Areas of Interest

- Ice Hockey, PC Manufacturing, RnB music, Drawing, Quantum Physics

### Links

- <https://linktr.ee/bermanEdward>