

**Liam Alcalay**

liamalcalay@gmail.com | 617-435-4950

[LinkedIn](#)

**Education:**

**Cornell University, College of Engineering**

Expected May 2028

- Bachelor of Engineering in Mechanical Engineering (planned transfer from BME)

**Brandeis University**

08/2024 to 05/2025

- Multivariable Calculus, Object Oriented Programming in Java, Engineering Instrumentation and Experimentation, Linear Algebra, Python, Physics: Electromagnetism

**Brookline High School**

June 2024

- AP Physics (Mechanics and E&M), AP Calculus BC, AP Computer Science A, AP Chemistry, AP Chinese
- AP Scholar with Distinction Award

**Skills:**

- Programming: Java, Python, and HTML
- 3D Modeling: Fusion 360, PrusaSlicer, PrusaSlicer mini+
- Electronics: Breadboarding, circuits, Oscilloscope (Analog discovery), soldering
- Software: Excel (Data interpretation, manipulation & graphing), Github, Fiji

**Experience:**

Health Technology Management Intern

06/2025 to 08/2025

Boston Children's Hospital –Boston, MA

- Repaired low-risk medical devices such as infusion pumps, infusion syringes, pulse oximeters, etc.
- Performed incoming inspections of medical devices to ensure operational standard
- Performed inventory management across different hospital departments
- Shadowed clinical engineers, general technicians, and radiology technicians – assisting in repairs, device installation, and preventative maintenance

Technical Support

11/2024 to 05/2025

Brandeis Help Desk –Waltham, MA

- Aided students and staff with hardware and software technical issues
- Provided quick, accurate, and satisfactory customer service
- Attended team meetings to discuss performance and potential improvements

Technical Support

12/2021 to 08/2024

Temple Sinai – Brookline, MA

- Assisted customers with various types of technical issues
- Diagnosed and resolved technical issues for staff and congregants
- Ensured smooth operation of livestreams and community events

Intern

02/2023 to 06/2023

Envision Difference – Boston, MA

- Assisted with and organized programs, events, and activities to drive outreach initiatives
- Aided in finding grants that matched the mission of the organization and partook in the grant writing and application process