

# Joey Lam

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## Education

### Boston University

Bachelors, Computer science and Economics

2023 - 2027

### Benjamin N Cardozo High School

GPA: 3.98

Principal honor roll

Major: Computer science

2019 - 2023

## Experience

### Andrew W. Mellon Foundation Consultant

Remote  
10/2024 - Present

### Andrew W. Mellon Foundation IT Intern

NYC  
06/2024 – 08/2024

- Developed and integrated 5 API endpoints into Mellon's backend API to facilitate seamless data synchronization with a custom migration application, integrating data from Fluxx, Contentful, and a proprietary database.
- Designed and implemented a custom internal tool that enables communication teams to independently sync data, reducing dependency on the IT team for synchronization tasks.
- Developed an internal tool that allowed for the migration of data from Fluxx to Contentful in Mellon custom middleware.
- Optimized grant migration processes, resulting in a 18% reduction in data transfer time.

### Boston University Help Center

#### IT Support Specialist (Client Technology Services)

Boston  
08/2023 – Present

- Desk-side Visits: Provided rapid response for desk-side visits to address urgent IT issues and deliver personalized support to users. Maintained a strong physical presence within the supported units to strengthen client relationships.
- Quality Assurance: Implemented and adhered to best practices in IT service management to ensure high-quality and consistent support across all supported sites.
- Departmental Support: Acted as the dedicated Primary Responder (PR) for specific departments and schools on the Charles River Campus.
- Independently capable: Demonstrated the ability to think critically and make decisive on-the-spot decisions for multiple departments and schools. Effectively handled IT issues and provided timely support without the need for immediate assistance, ensuring smooth operations.

### Robo Mind Tech

#### Intern/Teacher

Fresh Meadows  
04/2023 – 07/2023

- Curriculum Development: Created engaging and comprehensive curriculum materials to facilitate effective instruction and learning outcomes
- Classroom Management: Maintained a disciplined and professional atmosphere by implementing effective strategies to ensure order, focus, and optimal student behavior.
- Innovative Drone Curriculum: Developed and implemented a curriculum integrating Python, OpenCV (cv2), and DJI technology, enhancing students' technical skills and fostering their interest in emerging technologies
- Inventory System Optimization: Collaborated with team members to establish and improve an efficient inventory management

## Leadership & Activities

### BU Finance & Investment Club Quantitative senior

Boston, MA  
09/2024 - Present

### Dozosec

#### Cofounder/Vice president

NYC, NY  
09/2022 – 06/2023

- Co-founder/Vice president of Benjamin N Cardozo cybersecurity club.
- Founded the first National cybersecurity league team in Cardozo
- Ranked 94th percentile nationwide for team games
- Ranked top 10 high schools in fall games
- Ranked 83rd percentile nationwide for individual games

## Projects

**Emotion checker:** A computer vision project that picks up the user's facial emotion and returns a confidence score along with the current emotion. Used: Python, CV2, Tensorflow, Matplot, and Panda

**PhotoPort:** An website that stores a photography portfolio using nextjs and tailwind css

**CrossoverTrader:** A python script that performs automatic trades using algorithms that produced a ROI of 2.37%. Used: Python, alpaca api, finnhub, yfinance, and matplotlib

**Scrapper:** A python script that scrapes trade data from capitol hill and returns recent activities. Used: Python, Numpy, Panda, Matplot, and Beautiful soup

**Spotter:** A vision detection program that detects human faces. Running on the tensorflow py framework.

**HEYO:** An desktop mental health app that is built using electron and PostgreSQL

**Eportfolio:** An online portfolio created using js and tailwind css on the next js framework.

### **Skills & Interests**

**Certificate:** **Responsive Web Design** - Freecodecamp, **Data Analysis with Python** - Freecodecamp, **AWS Academy Graduate** - AWS Academy Cloud Foundations, **Python** - Kaggle

**Technical:** **HTML, CSS, Javascript, Java, C++, Python, Kotlin, TypeScript,**

**Frameworks:** **TailwindCSS, Node.js, Nextjs, Reactjs**

**Language:** **English - Fluent, Chinese - Intermediate**