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   **Remote**
Consultant   **10/2024 - Present**
- Developed and integrated internal taxonomy tree

Andrew W. Mellon Foundation   **NYC**
IT Intern   **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 allowing data migration from Fluxx to Contentful in Mellon custom middleware.
- Optimized grant migration processes, resulting in an **18%** reduction in data transfer time.

Boston University Help Center   **Boston**
IT Support Specialist (Client Technology Services)   **08/2023 – Present**
- Created and handled over 500 tickets on service now
- Handled professor's technical issues at Wheelock, Law and Business school

Robo Mind Tech   **Fresh Meadows**
Intern/Teacher   **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   Boston, MA
Quantitative senior   09/2024 - Present

Biztech Boston University Club   Boston, MA
Member   09/2024 - Present
- Biztech x Accenture Consulting Case Competition

Dozosec   NYC, NY
Cofounder/Vice president   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: A website that stores a photography portfolio using nextjs and tailwind css

CrossoverTrader: A Python script that performs automatic trades using algorithms that produced an ROI of 2.37%. Used: Python, alpaca API, finnhub, yfinance, and matplot

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: A 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