

# Eric Lam

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## EDUCATION

### Hunter College | Daedalus Scholar

New York, NY

*Bachelor of Arts in Computer Science, Minor in Math*

*Dec 2025*

**Relevant Coursework:** Data Structures, Algorithms, Discrete Mathematics, Matrix Algebra, Applied Statistics, Computer Architecture 1 & 2, Software Analysis and Design, Computer Theory 1, Operating Systems, Database Management, Parallel Computing, Flutter App Dev

## EXPERIENCE

### AuriStor Inc.

New York, NY

*Software Engineer Intern*

*July 2024 – August 2024*

- Enhanced the Auristor Container Accelerator's usability by developing a React.js dashboard, increasing accessibility for non-developers by transitioning from CLI commands to a graphical interface.
- Streamlined deployment processes by configuring NGINX as a reverse proxy, ensuring efficient and secure delivery of the dashboard
- Overcame technical challenges by successfully setting up AFS web logins, reviving a nearly **10-year-old unmaintained module** by sourcing incomplete documentation and replacing outdated dependencies

### Pulp Technology

Remote

*Backend Software Engineer Intern*

*July 2023 - Sept 2023*

- Led the design and development of an MVP for TextMRI, a tool for analyzing debates, using GraphQL to build a flexible and scalable API
- Designed and implemented over **50+ nodes** for Neo4j, integrating the database with the GraphQL schema to support complex data queries and relationships
- Integrated machine learning scripts written in Python (pandas/numpy) and OpenAI API with the GraphQL API, enabling advanced data analysis and natural language processing features

*Backend Software Engineer Intern*

*July 2024 - Sept 2024*

- Facilitated a team of 5 interns to design, develop, and deploy a RESTful API with **25+ API endpoints**
- Implemented role-based access control (RBAC) for the API, ensuring secure and efficient user access management by defining and enforcing user roles and permissions
- Documented the API's architecture, endpoints, and usage guidelines, leading to a decrease in the time spent troubleshooting integration issues

### Kwatt.io Tech Center

July 2022 - Present

*Coding and Robotics Instructor*

*Brooklyn, NY*

- Taught multiple 10-week web development classes for **100+ students**, using HTML, CSS and JS
- Collaborated with other instructors to develop personalized curriculums with **30+ projects**
- Mentored and nurture students' programming skills through 50+ interactive and engaging lessons using various robotic sensors

## PROJECTS

### Student Profile Tracker | *React.js, Next.js, Express.js, TailwindCSS, MongoDB*

- Developed a website to track and showcase student accomplishments in STEM-related classes for **100+** students on a centralized platform for Kwatt.io
- Implemented real-time data visualization for efficient reporting and analysis, resulting in a **30% reduction** in administrative workload for managing student data
- Personalized content recommendations using user data led to a **20% increase** in student participation in aligned coding and robotics projects

## TECHNICAL SKILLS

**Languages:** C/C++, Python, HTML, CSS, JavaScript/TypeScript, SQL, Go, Dart

**Frameworks & Libraries:** React.js, Next.js, Node.js/Express.js, REST APIs, Pthreads, GraphQL, Flutter

**Developer Tools:** Git, Docker, Google Cloud Platform, Doctest, Heroku, Jest

**Database & Data Management:** MySQL, PostgreSQL, MongoDB, Firebase, Supabase, Prisma, Neo4j