Quinn Flanigan

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EDUCATION

University of Massachusetts - Boston   **Fall 2021 - Fall 2025**
B.S. Information Technology minoring in Computer Science   *Boston, MA*
Computer Science Club Member, UMB Develops Program Lead, Dean's List

COURSEWORK

Data Structures and Algorithms, Scripting in Python, Programming in C, Relational Databases, Cloud Architecture, Information System Security, Systems Administration, Systems Analysis and Design, Web Development, DevOps, Ethics in Computing, Networking

TECHNICAL SKILLS

Languages: Python, Java, Javascript, Typescript, C, SQL, HTML, CSS
Frameworks: React, Express.js, Next.js
Developer Tools: GitHub, Amazon Web-Services, Linux, MySQL, MongoDB, Visual Studio Code, IntelliJ, PyCharm
Libraries: NumPy, Pandas, Matplotlib, Axios, Sequelize, Mongoose, Chart.js, Recharts, Toastify, Framer Motion

EXPERIENCE

IT Project Coordinator Intern   **June 2024 - Present**
Veolia North America | Python, Smartsheet, Jira, Lucidchart, Postman   *Boston, MA*
- Automated API services using Python scripting and Postman testing to improve workflow efficiency
- Created over 50+ process diagrams, contributing to new system architecture for the use of Smartsheet.
- Collaborated with project managers to efficiently allocate and schedule resources across multiple IT projects

Software Engineer   **Sept 2024 - Feb 2025**
Ur Wealth | Typescript, React, Express.js, MongoDB, Node.js, Git, Plaid   *Boston, MA*
- Spearheaded the development of a full-stack MERN wealth management application, managing a team of engineers
- Integrated financial APIs to deliver a dashboard for managing wealth assets
- Built financial insights, investment reporting tools, and life insurance management features

PROJECTS

Portfolio Website | *Typescript, React, Node, Express, Vercel, Git*   **Dec 2024**
- Completed UX Design wireframes in Figma, and site development with TypeScript
- Utilized Express.js to build an API that processes form submissions
- Deployed site to Vercel with cloud functions that perform backend API actions securely

KeyLocker.py | *Python, Docker, CustomTkinter, Git*   **May 2024**
- Built a secure password manager desktop app with encrypted password storage linked to user accounts
- Developed an API using Fernet Encryption, ensuring secure password handling with unique user keys
- Designed a minimal user interface with Figma, Adobe Illustrator, and CustomTkinter to enhance user experience

TECHNICAL ACTIVITIES

Computer Science TA   **Sept 2024 - Present**
Microsoft TEALS | Python   *Boston, MA*
- Supporting computer science education at Boston Latin Academy by assisting the AP Computer Science instructor
- Grading and reviewing student code while offering personalized guidance on programming best practices
- Providing course insights, contributing to curriculum development and improving student learning outcomes

Software Engineer Fellow   **Jan 2025 - Present**
Hack.Diversity | Python, Javascript   *Boston, MA*
- Selected for Hack.Diversity 2025 cohort (9% acceptance rate out of 1,000+ applicants)
- Advancing full-stack development and DSA expertise through a technical curriculum
- Meeting with a mentor to discuss career goals and discover areas of improvement