

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, Intermediate 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 | Smartsheet, Power BI, Lucidchart, Figma

Boston, MA

- Analyze diverse data sets using Power BI and Lucidchart to build project dashboards and process diagrams
- Contribute to designing a new organizational architecture for the use of Smartsheet SaaS in our company
- Collaborate with project managers to efficiently allocate and schedule resources across multiple IT projects

Software Engineer

Sept 2024 - Present

Ur Wealth | Typescript, React, Express.js, MongoDB, Node.js, Git, Plaid

Boston, MA

- Leading the development of a full-stack MERN wealth management application, managing a team of engineers
- Integrating numerous API services, providing users with an intuitive dashboard to manage various wealth assets
- Developing AI-based financial insights, investment reporting tools, and life insurance services

Teacher Assistant - Microsoft TEALS Program

Sept 2024 - Present

Microsoft - Boston Latin Academy | Python, HTML, CSS

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

PROJECTS

GradeLabs | React, Express.js, MySQL, OpenAI, AWS, Git

Feb 2024 - Present

- Developed key frontend components and backend API endpoints, optimizing efficient data transfer
- Leveraged Chart.js to visualize class statistics and integrated OpenAI for real-time analysis of datasets
- Modeled and maintained MySQL databases with Sequelize ORM in AWS RDS, improving data accessibility

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

CERTIFICATIONS

Cyber Sentinel Skills Challenge Participant - Correlation One/Department of Defense

Issued May 2024

Fortinet Certified Associate in Cybersecurity

Issued July 2024