Mark "Xavier" Bonavita

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Education

Worcester Polytechnic Institute (WPI) | Worcester, MA   **GPA 3.55 / 4.0**

Bachelor of Science in Computer Science   08/2022 - Present
Masters of Science in Cyber Security   08/2024 - Present

Note: I am pursuing the 4 year BS/MS program at WPI. Although not officially enrolled in the graduate college, I am taking graduate level courses to ensure a dual-degree graduation in summer of 2026.

Technical Skills

Languages	C/C++, Java, JavaScript/TypeScript, Elixir, JSON, Python, SQL, CSS, HTML, Racket
Tools/Platforms	Node.js, Flask, SQLite, PostgreSQL, OracleDB, Azure, Jupyter, GitHub, React

Work Experience

E.C Scranton Memorial Library | Madison, CT   June 2021 - August 2021
Technology Assistant

- Assisted library patrons with troubleshooting and optimizing their computers and other technology devices.
- Performed malware removal, eliminated unwanted programs, and addressed various software-related issues.
- Supported patrons in effectively using library printing software for smooth document handling and printing.

Projects

Meeting and Schedule Coordination Website, *When2Goat* | Worcester, MA   March 2024 - May 2024

- Collaborated in a team of four to develop a full-stack application within 5 weeks, following Agile/Scrum methodologies.
- Designed and implemented a scalable Flask (Python) backend with an Azure-hosted PostgreSQL database.
- Streamlined user experience (UX) by delivering a simple yet feature-rich interface that functions efficiently across various device types and screen sizes.
- Integrated WPIs Microsoft Single Sign-On (SSO) and Microsoft Entra API for secure identity verification and seamless Microsoft Calendar integration.

Discord Application (Bot), *Neo* | Worcester, MA   March 2019 - Present

- Developed a web server using Node.js to interact with Discord's API, enabling a responsive bot with a wide range of advanced functionalities.
- Utilized both hot and cold SQLite 3 databases to efficiently store and manage session data, user preferences, and server configurations.
- Embedded multiple external libraries while modularizing code into independently executable segments, ensuring scalability and ease of operation.