

# Mark "Xavier" Bonavita

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## Education

**Worcester Polytechnic Institute (WPI)** | [Worcester, MA](#)

Bachelor of Science in Computer Science: Cyber Security Concentration

**GPA 3.5 / 4.0**

08/2022 - Present

## 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

## 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 WPI 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.
- Integrated multiple external libraries while modularizing code into independently executable segments, ensuring scalability and ease of expansion.