# Mark "Xavier" Bonavita

xvr0612@gmail.com • (203) 903-6638

https://xvr6.dev/

## Education

**Worcester Polytechnic Institute** (WPI) | Worcester, MA                    **GPA 3.5 / 4.0**

Bachelor of Science in Computer Science: Cyber Security Concentration        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 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.