William Block

Email: WJamesBlock@gmail.com
Portfolio: billyblock.github.io

Education - Northern Michigan University — GPA: 3.97

Bachelor of Science, Computer Science | Minor in Mathematics — **Graduated Spring 2026**
Relevant Coursework: Software Engineering, Systems Programming, Web Development, Networking, Embedded Systems, Compiler Design

Work Experience

Development & Business Systems Intern - Northcross Group — **May 2026 - Aug 2026**

- Full Stack Development: Developed a core "Engagements" workflow tracking system for a customer portal using React, Express, and MySQL.
- Created 100+ test suites using Cypress, Artillery, and Jest, increasing test coverage to 80% across 3 different projects.
- Managed feature delivery and codebase integrity via Jira, Confluence, Git, and GitHub during agile sprints.

Software Support Assistant - NMU, Technology Support Services — **August 2024 - Aug 2026**

- Imaged and deployed 100+ computers via PXE boot and NMU's custom imaging system.
- Delivered technical support in person, by phone, and remotely (via TeamViewer).
- Installed and maintained licensed software through NMU's internal repository.
- Diagnosed Software, Operating System, and Hardware issues across Windows and Linux
- Assisted in a campus-wide desktop replacement project, deploying and configuring 100+ new workstations for classrooms, labs, and offices.
- Maintained detailed documentation of IT procedures and troubleshooting steps using Confluence.

Online Instructor - iD Tech — **March 2023 - March 2025**

- Taught software engineering, programming, and game design to over 1,000 students worldwide in Java, C++, and Lua, using Godot, GDevelop, Roblox Studio, and text-based code editors.
- Led more than 100 projects ranging from beginner to advanced levels, encouraging creativity and first-principles problem-solving.
- Adapted teaching style to accommodate diverse learning backgrounds and skill levels.

Projects

Laboratory Information System (Senior Project): Vue, Express, Axios, MySQL, JWT

- Built a full-stack web application for tracking clinical test data.
- Implemented REST APIs with Express and JWT-based authentication.
- Developed Vue frontend using Axios for API communication.

Student Job Board: Angular, HTML, CSS, TypeScript

- Created a Student Job Board using Angular and purely object-oriented (OOP) techniques.

Technical Skills

- **Languages:** JavaScript, SQL, Java, C++, Python.
- **Frontend:** Vue.js, Angular, Bootstrap, HTML, CSS, Axios.
- **Backend:** Node.js, Express, JWT Authentication, REST API's.
- **Desktop:** QT (C++), JavaFX, Java Swing, Tkinter.
- **Tools:** Git, Linux, Windows, Unit Testing (JUnit, pytest, jest).