

## Summary of Qualifications

4 years of experience developing programs in Java, Python and JavaScript/TypeScript; 2 Years of experience developing programs in C; strong understanding of data structures and experience developing algorithms; 3 years of JSP front-end development; 2 years of SQL database design and development; 2 years of experience developing backend programs in MIPS assembly. 2 years of full-stack web development in Vue.js. 1 year of experience with REST APIs, GraphQL & Kotlin.

## Education

**York College of Pennsylvania**  
**B.S. Computer Science**

**Cumulative GPA: 3.87**  
*December 2024*

## Skills

**Programming Languages:** Python, Java, Kotlin, C, C++, C#, JavaScript/TypeScript, Node.js, Swift, HTML, PHP, CSS, XML, SQL, Arduino, Verilog, MIPS assembly, RISC-V assembly

**Software/Tools:** Bootstrap, Docker, ASP.NET, Express, Vue, Git, GitHub, JavaServer Pages, Apache Derby, MySQL, SQL Server, SSMS Spring Boot, Swagger, JetBrains IDE's, Python IDLE, TINA, Visual Studio, Ubuntu, Ubuntu 22.04 Live Server, Mac OS, Windows 7/XP/10/11

## Projects

- Worked with 13 other students to set up and begin work on a multi-year project. Was responsible for the development of the project's documentation site and assisted in the development of the backend application and API.
  - Link: <https://docs.revmetrix.io/>
- Developed a custom programming language, Gurt, in Python and created the interpreter for the language
  - Link: <https://github.com/robertwood68/Gurt>
- Worked on a mock team in my college to develop a full stack web application as the lead developer and requirements analyst in an agile/scrum environment.
  - Link: [https://github.com/bsimmons123/YCP\\_Personalized\\_Commencement](https://github.com/bsimmons123/YCP_Personalized_Commencement)
- Programmed and deployed a full-stack web application using Express, Node.js, HTML, CSS, and Bootstrap that serves as my online portfolio.
  - Link: <https://www.robertwood.dev>

## Work Experience

### **Dataforma, Inc.**

**June 2024 – Present**

#### **Software Engineer**

- Develop and maintain the company's full-stack web application built using Spring Boot, Tomcat, Kotlin, JSP, JavaScript, and Vue.js. Create and implement new API endpoints, handle GraphQL interactions, develop / update pages and components using the Vue 2 Options API.

### **Multi-Dimensional Integration**

**May 2023 – August 2023**

#### **Software Engineer Intern**

- Develop SCADA software for use with programmable logic controllers using the Ignition platform, design control panels and enclosures in AutoCAD, and program Allen-Bradley and Siemens controllers using ladder logic for different industrial uses.