

## 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; 2 years of JSP front-end development; 2 years of SQL database design and development; 2 years of full-stack web development with and Express. 2 years of experience developing backend programs in MIPS assembly. 1 year of full-stack web development in Vue.js.

## Education

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

**Cumulative GPA: 4.0**  
*December 2024*

## Skills

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

**Software/Tools:** Angular, Bootstrap, Docker, ASP.NET, Express, Vue, Git, GitHub, JavaFX, Java Server Pages, Apache Derby, MySQL, SQL Server, SSMS, Eclipse, JetBrains IDE's, Python IDLE, TINA, Visual Studio Code, Visual Studio, Ubuntu, Mac OS, Windows 7/XP/10/11, Digital Ocean, Google Cloud, Linux Ubuntu Cloud Server

- 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.revmatrix.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. Created many use-case diagrams, wrote quality documentation throughout each sprint, and showed great leadership throughout the development phase towards my peers.
  - 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

### 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.

### New Living Transition Services LLC.

**May 2016 – Current Role**

#### Relocation and Disposal Crew

- Assist clients in multiple services, including but not limited to: Relocation of furniture and personal belongings to new homes/assisted living communities, disposal of property by request, disposal of hazardous materials, and clear out of unoccupied homes.