

## Skills & Abilities

**Programming** — proficient with C#, Python, Java, C++, C, x86-64 Assembler, Javascript, JQuery, Vue.js, Node.js, HTML/CSS, SQL, XAML, VBA & MATLAB

**Environments** — Linux (Red Hat & Ubuntu), Windows, macOS; Visual Studio, VS Code, Xcode, Eclipse

**Applications** — proficient with Git, Azure DevOps, Jira, Adobe Creative Cloud, Microsoft Office, SolidWorks, Power BI, gdb GNU Debugger & OS/soft PI

**Certifications** — Avant STAMP workplace fluency: Spanish

## Experience

**Teaching Assistant** — The Ohio State University, Columbus, Ohio August 2020 – Present

- Taught Fundamentals of Engineering for Honors, a two-semester course.
- Languages and skills taught: C, C++, MATLAB, Excel, SOLIDWORKS.
- Mentored first-year engineering students to ensure they receive a comprehensive education in the engineering design process and problem solving.
- Contributed to many course projects, developed course material and software.
  - Developed with C# .NET, Vue.js, Node.js, Python, C & C++

**Software Engineering Intern** — Patriot Software, Canton, Ohio (Remote) May – August 2020

- Developed new, original payroll and accounting software with a small team.
- Used technologies including .NET, AWS, PostgreSQL, Jira, Confluence, and Razor
- Practiced industry-standard software engineering techniques like agile development.
- Created dozens of pull requests, including an internal-facing individual project.

**IT Intern** — FirstEnergy, Akron, Ohio (Remote) May – August 2021

- Improved important company database structure and contents using Oracle SQL.
- Optimized and automated important company reports with VBA and Python.
- Developed my communication and leadership skills with presentations to directors.

## Education

**The Ohio State University** Honors College – Columbus, Ohio – **4.0 GPA**. Graduating Spring 2023.

Honors Bachelor of Science in Computer Science & Engineering, Minor in Economics.

Relevant Coursework: CSE 2221 & 2231 Software 1 & 2, ENGR 1281 & 1282 Fundamentals of Engineering

Honors, CSE 2321 & 2331 Foundations 1 & 2, CSE 2421 & 2431 Systems 1 & 2, CSE 3902 Game Development

Also: Honors Physics 1260, Math 1172, 2568 & 3345, Econ 4002 & 4831, Statistics 3470, CSE 3241 Databases

**Twinsburg High School** – Twinsburg, Ohio – **4.53 GPA**. Graduated 2019. Honors Diploma.

Awards: National AP Scholar, Twinsburg Soccer Community Award, Perfect Attendance Grades 9-12

## Leadership

**Luminaria Chair, Board Member** — Relay for Life Twinsburg January – July 2017

- Planned and executed Twinsburg's 2017 Relay for Life Ceremony
- Managed financial aspects of the Ceremony & kept record of sales of all Luminaria

**Captain** — Twinsburg High School Varsity Soccer January – October 2018

**Family Relations Chair** – RallyCap Ohio State Chapter January 2020 – Present

- Inspired children with disabilities through playing sports.
- Interfaced with Columbus-area schools and therapy centers to recruit new Rally Players