

Alexander J. Lopez

Alex.jlopez@outlook.com | 715-203-6986 | linkedin.com/in/alexander-lopez-j | <https://alex-j-lopez.github.io>

SUMMARY

Software engineering student at the Milwaukee School of Engineering with four years of industry experience. My interests are software engineering, machine learning, web development, and robotics.

WORK EXPERIENCE

Juno. **August 2025 - Present**
Developer Consultant (Contract) *Remote*

- Collaborated cross-functionally as a developer consultant to deliver scalable front-end solutions in Next.js tailored to complex tax documentation workflows.
- Developed a custom PDF viewer component in Next.js for a tax AI platform, enabling accountants to annotate documents and apply tax stamps interactively.

Skyward, Inc. **July 2024 – August 2025**
Software Engineer Intern *Stevens Point, WI*

- Worked on an agile team to develop, maintain, and modify components of an ASP.NET core MVC full stack application and a database migration tool in response to stakeholder feedback and requests.
- Reduced redundant database reads and writes to improve database migration times.

L & S Electric, Inc. **May 2023 – August 2025**
Software Engineer Intern *Rothschild, WI*

- Developed a desktop enterprise application using .NET MAUI to commission generator excitation systems.
- Worked with a team to do software verification ensuring reliability in mission critical environments.
- Implemented multithreading and complex data structures to improve connection times by 660%.
- Technologies Used: C#, .NET 8.0, .NET MAUI framework, HTML, JavaScript, Beckhoff TwinCat ADS

Self Employed **June 2018 - 2021**
Software Developer *Schofield, WI*

- Worked as an independent contractor to build several virtual reality software applications.

EDUCATION

Milwaukee School of Engineering **2022 – 2026**
BS Software Engineering, GPA: 3.45 *Milwaukee, WI*

Victoria University of Wellington **Feb 2024 – June 2024**
Study abroad spring semester: BS Software Engineering, GPA: 4.0 *Wellington, New Zealand*

PERSONAL PROJECTS

Personal Website: <https://alex-j-lopez.github.io>

- Built a website to host information about my personal projects as I improve my skills.
- Technologies: HTML, CSS, and JavaScript

Dorm room door lock robot

- Developed an embedded system to open my door through a web interface or fingerprint authentication.
- Technologies: C, C++, HTML, CSS

PLY Sequence File format for Volumetric Video storage

- PLY Sequence is a new file format that holds point cloud videos for the purpose of volumetric video storage.
- Co-Developed programs to convert PLY files into PLYS files as well as read and render PLYS files in Unity.
- Technologies: C#, Java, Unity

TECHNICAL SKILLS

C#, Java, C, C++, R, Python, JavaScript, TypeScript, HTML, FXML, XAML, CSS, React.JS, Node.JS, SQL, Postgre SQL, Microsoft SQL Server Manager, Docker, .NET, ASP.NET, .NET MAUI, JavaFX, AWS Lambdas / DynamoDB / SQS, Next.js, D3.js, Linux, Windows, Google Firebase.

COMMUNITY SERVICE

Volunteered at a local YMCA to hold one to one and group information sessions where elderly individuals in the community could come and have personal technology questions answered.