

Seo Jun Yoon

Houghton, Michigan | 906-281-2394 | seojuny@umich.edu

EDUCATION

University of Michigan

Ann Arbor, MI

Bachelor of Science in Engineering in Computer Science

Expected Graduation Date: May 2025

Relevant Coursework: Data Structures & Algorithms, Discrete Mathematics, Practical Data Science.

GPA: 3.83

August 2022 - Present

Michigan Technological University (Dual Enrollment)

Houghton, MI

Relevant Coursework: Introduction to C/C++, Multivariable Calculus, Linear Algebra, Statistical Methods.

GPA: 4.00

August 2020 - May 2022

Houghton Central High School

Graduation Date: May 2022

Relevant Coursework: AP Computer Science Principles, AP Calculus AB, Introduction to AutoCAD.

GPA: 4.00

August 2018 - May 2022

RELEVANT EXPERIENCE

Atlas Digital

Ann Arbor, MI

Software Analyst

January 2023 - Present

- Worked with local companies to provide pro bono assistance with technical projects.
- Attended professional development events such as programming bootcamps, company conferences, and technical development workshops.

Heliophysics MDP Research Team (SunRISE)

Ann Arbor, MI

Software Team Member

December 2022 - Present

- Performed a concept test on Earth of designing and implementing a ground-based LWA antenna array using multiple antennae to detect long-wavelength radio waves.
- Partnered with NASA to eventually launch antennas into space on multiple satellites to create a virtual satellite dish to measure and characterize long-wavelength radio waves from coronal mass ejections.
- Created a classification pipeline to take in LWA data and characterize the radio waves as well as a Python program to transfer data from antennae directly to AWS and be able to pull data from AWS directly to the classification pipeline.
- Planned eventual dispersal of ground-based LWA antennas to high schools for student involvement.

Bodazone Shipping Company

Houghton, MI

Employee

January 2022 - October 2022

- Collaborated with colleagues to split up work orders and order/ship the necessary products
- Communicated with company representatives to handle bulk orders, complicated returns, and claims of fraudulent activity.

PROJECT EXPERIENCE

Blueprints for Pangaea

Ann Arbor, MI

Frontend Developer

January 2023 - Present

- Cooperated with company representatives, UI/UX designers, and other developers to revamp the Blueprints for Pangaea website to be more modern and user friendly.
- Used HTML/CSS and ReactJS to implement features such as buttons, headers, and pages to increase website traffic and donations to the organization.

Environmental Research Project

Houghton, MI

Project Head

May 2023 - Present

- Initiated ongoing environmental data science project based on prediction of algal bloom severity/likelihood of occurrence using water quality data such as turbidity and phycocyanin concentration.
- Adopt machine learning to update prediction algorithms and create a more economical method to predict algae blooms that requires little human input.

SKILLS

- **Microsoft Office Specialist Certification:** Microsoft Access, Excel, PowerPoint, Word, and Word Expert.
- **Programming Languages:** C++, Python, Git, C, HTML/CSS, and ReactJS.