

Jason Lin

lanon@umich.edu | (248) 989-6501 | 5073 Longview Dr. Troy, MI 48098
[linkedin.com/in/jason-lin-810a8922a](https://www.linkedin.com/in/jason-lin-810a8922a) | github.com/linj2314 | linj2314.github.io

Education

University of Michigan – Ann Arbor

April 2026

Bachelor of Science Engineering in Computer Science

GPA: 4.0

- Relevant Coursework: Discrete Math, Honors Intro Stats, Programming and Intro Data Structures, Data Structures and Algorithms, and Foundations of Computer Science

Skills

Languages: C++, Python, HTML/CSS/JavaScript, R, Shell

Technologies: MongoDB, ExpressJS, ReactJS, Node.js, Git, RStudio, Bootstrap, ROS

Projects

MERN Diet Tracker

July 2023-August 2023

Relevant Skills: MongoDB, ExpressJS, ReactJS, Node.js

- Designed and created a full-stack web app to allow users to input food items and view total nutritional information, thereby providing an easy way to track their daily diet
- Built using MERN stack: stored food data using MongoDB, created UI with React, constructed back-side elements using Node.js and ExpressJS
- Featured a search bar with a drop-down menu for easy look-up of food items

Arbitrage Bot

August 2023

Relevant Skills: Python, API

- Created using Alpaca Trading's Python SDK: alpaca-py
- Performed triangular arbitrage between ETH/USD, BTC/USD, and ETH/BTC by receiving real-time crypto quote data from Alpaca Trading's data API and then performing calculations and trades if conditions are met by using Alpaca Trading's trading API
- Ran completely autonomously

linj2314.github.io

December 2023-Present

Relevant Skills: Bootstrap, HTML/CSS/JavaScript

- Created a personal website from scratch using Bootstrap and vanilla HTML/CSS
- Features a wide variety of elements including icons, scroll spy, navbar, and popover
- Use Bootstrap elements such as containers, columns and rows, and gutters

Activities and Interests

UM Autonomy | Computer Vision Sub-Team

Fall 2023-Present

- Worked on CV sub-team for this project team based on testing and developing an autonomous boat to compete in the RoboNation RoboBoat competition
- Brainstormed ideas for and implemented a computer vision program in Python to identify buoys, game objects, and other obstacles that the boat is required to navigate around
- Worked with ROS2 to implement effective message synchronization that allowed the boat to perform at full capacity

Interests: Swimming, Running, Bodybuilding/Powerlifting, Origami