

Alden Cheung

github.com/aldencheung2 | aldencheung2.github.io

Education

University of Michigan

Bachelor of Science in Computer Science

Ann Arbor, Michigan

May 2024

- GPA: 3.944
- Relevant Coursework: Data Structures and Algorithms, Theory of Computation, Linear Algebra, and Discrete Math
- Current Courses: Web Systems, Introduction to Computer Organization, and Database Management Systems
- Awards/Honors: University Honors, Dean's List, and William J. Branstrom Freshman Award (top 5% of freshmen)

Skills

Languages

- Experienced in C++, Python, Java, Kotlin, MATLAB, Typescript, JavaScript, HTML, and CSS
- Familiar with Objective-C, Swift, and Markdown

Technologies/Frameworks

- Git, Visual Studio, VS Code, GitHub Actions, Postman, Valgrind, GDB, GCC, Makefiles, Figma, and Linux
- RESTful APIs, NestJS, React Native, Selenium, Jest, jQuery, GSAP, Bootstrap, Jekyll, and Google Lighthouse CI

Experience

NCR Corporation

Full Stack Software Engineer Intern

Atlanta, Georgia

May 2022 - Aug. 2022

- Integrated a screen sharing SDK into a mobile app with 20M+ users using Java, Kotlin, Objective-C, and Swift
- Added a deep link to an Android app's crypto trading page to streamline user experience
- Created a notifications page and payee details page for a React Native app. Used Jest for unit testing.
- Implemented multiple new endpoints in Backend-for-Frontend API using TypeScript and NestJS
- Participated in agile practices including daily stand-ups, project planning meetings, and sprint demos

University of Michigan

EECS 203 (Discrete Math) Grader

Ann Arbor, Michigan

Sep. 2021 - April 2022

- Graded weekly homework assignments for a 900-person class in an efficient and timely manner
- Provided corrections and clear feedback to strengthen understanding and improve exam performance

Projects

Atlas Extension

HTML, JavaScript, CSS

- Developed a chrome extension that adds professor ratings and past syllabi to university course pages
- Retrieved data from third-party websites using asynchronous web scraping to reduce loading times

RTX Bot

Python

- Developed a checkout bot and stock tracker using Selenium
- Automatically purchases item when it restocks and notifies user via email

Personal Website

HTML, JavaScript, CSS, Python, Markdown

- Created a personal website using jQuery, GSAP, and Bootstrap
- Added blog using a static site generator (Jekyll) along with HTML, JS, and CSS
- Made a script that locally hosts the site and tests it using Selenium before pushing changes to GitHub pages
- Integrated Lighthouse CI with GitHub actions to automatically check website speed, SEO, and accessibility