Ricky S. Ho

Chicago, IL | horicky78@gmail.com | 773-920-8789

linkedin.com/in/rickysumho | github.com/rickysumho | rickysumho.github.io

EDUCATION

University of Michigan   **Ann Arbor, MI**

Bachelor of Science Engineering in Computer Science *(GPA: 3.86)*   Expected May 2025

Relevant Coursework: Programming and Intro Data Structures, Computer Science Pragmatics, Discrete Mathematics, Data Structures and Algorithms, Foundations of Computer Science

CodePath   **Remote**

Certificate in Advanced Software Engineering   May 2022 - August 2022

WORK EXPERIENCE

Cars.com   **Chicago, IL**

Software Developer Intern - Conversations Team   June 2022 - August 2022
- Implemented a LaunchDarkly feature flag for a fuzzy trade-in search by creating a feature flag status API in PHP
- Improved visitor lookup matching using Node.js by upgrading same-visitor detection backend logic
- Enhanced app user interface using React.js by fixing numerous UI bugs and restructuring setting forms
- Collaborated in a 10-person team following a Scrum agile software development methodology using Jira

University of Michigan   **Ann Arbor, MI**

Research Assistant - RHE Laboratory   September 2021 - April 2022
- Developed the Android application, flight software, and interface for smart radiation detectors on drones
- Identified and implemented drone components, PX-4 hardware and software, collision avoidance sensors, and flight computers used in the final design of the drone
- Tested compatibility of 3 obstacle avoidance algorithms across 5 Raspberry PI OS builds on a Raspberry Pi 4

Google   **Remote**

CSSI: Online Participant   July 2021 - August 2021
- Engaged in a 4-week intensive, project-based JavaScript and Firebase curriculum taught by Google engineers
- Configured 4 coding projects in JavaScript by using concepts such as variables, data types, and functions
- Delivered a collaborative final project presentation including a live demonstration to Google employees

PROJECTS

Hungry Dasher - Team Lead Developer
- Conducted a 3-person Scrum team to create a Discord bot focused on automating account creation for websites
- Interfaced 2 REST APIs for account phone number verification by connecting API responses with bot logic
- **Utilized:** TypeScript, Node.js, Discord.js, Jira, Git

Petlify - Backend Developer
- Coordinated a 3-person team to create a pet-adoption, dating web application supporting CRUD operations
- Integrated user customization with 2 settings options by interfacing web APIs with Firebase real-time databases
- **Utilized:** JavaScript, HTML, CSS, Firebase, Git

SKILLS & INTERESTS

Programming: (proficient): JavaScript, Node.js, C++ (familiar): Python, TypeScript, React.js, Java, HTML, CSS
Tools: Git, Vim, Firebase, Linux/Unix, Jira, Selenium
Interests: Playing Volleyball, Reselling Sneakers, Crypto Investing

COMMUNITY INVOLVEMENT

Michigan Hackers - Core Member   September 2021 - Present
Chicago Scholars - Community Member   May 2020 - Present