

Zhuo Lin (Jolynn) Wee

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE

Bachelor of Computing (Honors) in Computer Science

Singapore

Aug 2023 - Present

- Cumulative Average Point: 4.65 / 5.00
- Relevant Coursework: Programming Methodology I & II (in Java), Data Structures and Algorithms, Software Engineering, Databases, Networks, Computer Organisation

PROFESSIONAL EXPERIENCE

VUCAR | AI-ENABLED USED CAR MARKETPLACE

Ho Chi Minh City, Vietnam

Software Engineering Intern (Full-Stack)

May - Aug 2024

- Developed both frontend and backend for a report and dynamic form builder used internally during car inspections. Designed the database schema using PostgreSQL and Drizzle ORM and set up server-side CRUD operations.
- Created dashboard for displaying car penalty tickets returned from API. Cut fetch times from the API by 95% by implementing caching with SWR (React Hooks Library) and Zustand.
- Engineered end-to-end flow for car sellers from landing page to car auction site. Used React, Next.js, Typescript, Shadcn, and Tailwind CSS, to create complex multi-step forms.
- Introduced 10+ other features for Vucar's website and internal dashboard, including pagination and search for the blog.

DATATURE ANALYTICS | END-TO-END NO-CODE MLOPS PLATFORM

Singapore, Singapore

Software Engineering and Quality Assurance Intern

May - Jul 2023

- Created Python script to automate testing for API. Designed and executed test cases. Maintained detailed reports for issues with Jira / Confluence. Optimized quality assurance process with product manager.

DEFENCE SCIENCE AND TECHNOLOGY AGENCY

Singapore, Singapore

Video Analytics Intern

Nov - Dec 2021

- Assessed 15+ commercial video analytics software by testing and meetings with companies. Researched computer vision models and annotated datasets for people re-identification. Final product deployed for counter-terrorism at national events.

LEARN TO CODE, CODE TO LEARN CODING ACADEMY

Singapore, Singapore

Teaching Assistant and Administrative Intern

Nov - Dec 2020

- Taught programming to 10+ children. Designed and facilitated lessons for Lego robotics camp. Wrote a script to automate data entry into sheets from client emails.

PROJECTS

Student Attendance Management System with Facial Recognition

- Developed a web application to take attendance with facial recognition through a webcam, complete with a student management system to perform CRUD operations.
- Utilized React, Node.js, Javascript, HTML / CSS for the front-end, Express.js (previously Flask) for the back-end, and MongoDB as the database to manage the student information.

Snippet Monster

- An end-to-end project for organizing code snippets. Created with Vite, TypeScript and Supabase for back-end, it provides user authentication, search and filtering, and real-time synchronization.

SKILLS

- **Languages:** Java · JavaScript / TypeScript · Python · C · HTML / CSS · Markdown
- **Frameworks/ Libraries:** React · Node.js · Next.js · Express.js · Flask · Tailwind CSS · Vite
- **Databases:** PostgreSQL · SQLite · MongoDB · Drizzle ORM · Supabase
- **AI / ML:** Tensorflow · Pandas · Numpy · scikit-learn · Python Imaging Library
- **Other Tools/ Technologies:** Git · Nginx · Docker · Figma · VSCode · Jira / Confluence · Microsoft Office