

JARED WONG

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Results-driven Junior Full-stack Engineer with a strong grasp of both front-end and back-end development. Adept at problem-solving and passionate about building innovative solutions using tech, with specific experience in developing LLM-integrated platforms.

WORK EXPERIENCE

Software Engineer Intern Fortifai	Jul 2025 - Dec 2025 Norway
<ul style="list-style-type: none">Contributed to building the core foundation of Fortifai's ESG Compliance platform from an early stage.Pioneered AI integration by developing an end-to-end LLM-powered document processing pipeline using Azure services to automate ESG form filling, reducing manual completion time by 90%.Refined ESG data models and reporting flows to ensure accurate and actionable sustainability data outputs.Supported external audit and certification of the platform's methodology against EU VSME standards.	
AI and Software Engineer Intern Pints.ai	Oct 2024 - May 2025 Singapore
<ul style="list-style-type: none">Primary developer for an LLM-powered insurance claims management and analysis tool to be used by large insurance companies for automated claim processing.Worked extensively on application deployment and CI/CD pipeline using AWS, including Docker and Kubernetes.Fine-tuned and deployed custom Small Language Models (SLMs) with open-instruct and LoRa for a 30% increase in output quality.Enhanced RAG pipeline for improved document querying and retrieval, increasing chunk retrieval quality by 30%.Created an evaluation pipeline to evaluate LLM performance based on the RAGBench framework.Built data engineering and processing workflows, including document chunking and preprocessing.Developed complex web components and features for an LLM-based research platform.	
Full Stack Software Engineer Intern Holicay	May 2024 - Aug 2024 Vietnam
<ul style="list-style-type: none">Spearheaded an internal data visualisation dashboard to extract actionable business insights, reducing data retrieval time by 90% using aggregate querying.Built and maintained web application components, driving significant improvements in platform functionality and features to enhance user experience.Engineered a Retrieval Augmented Generation (RAG) system built on a LangChain architecture for personalised travel itinerary generation.	
Software Engineer Intern VisionPal	Dec 2023 - May 2024 Singapore
<ul style="list-style-type: none">Developed key features for an integrated eyecare mobile app across both iOS and Android platforms, achieving top 100 ranking in the App Store's Health & Fitness category.Executed a comprehensive revamp of the application UI, delivering a more intuitive and modern design.Collaborated closely with cross-functional teams including product manager, optometrists and external developers to translate complex requirements into effective app solutions.	
Research Engineer (Full Stack Development) NUS School of Computing Healthcare Informatics	Aug 2023 - May 2024 Singapore
<ul style="list-style-type: none">Coordinated the development of a health management and wellness mobile app to enhance user health outcomes.Managed the development of backend systems to deliver scalable and efficient cloud functions for app performance.Partnered with the local healthcare industry to develop a mobile app aimed at supporting individuals to quit smoking.	

EDUCATION

Bachelor of Computing in Computer Science (Honours)

Aug 2022 - Present

National University of Singapore

- Specialisation in Software Engineering
- NUS Overseas Colleges Vietnam (May – Aug 2024)
- NUS Overseas Colleges Norway (Jul – Dec 2025)

GCE A-level

Feb 2018 - Nov 2019

Raffles Institution

SKILLS

Programming Languages: Typescript, Javascript, Python, Java

Frontend Development: React, React Native, Next.js, HTML, CSS, Tailwind CSS

Backend Development: Node.js, NestJS, Express, Prisma, Django

Database: PostgreSQL, Firebase, Supabase, MongoDB

AI/ML: OpenAI, LangChain, Open-Instruct (LLMs)

Tools & Technologies: Redis, Docker, Git

Cloud: AWS Certified Cloud Practitioner, AWS Certified Solutions Architect

UI/UX Design: Figma, Balsamiq Wireframes

AWARDS

Medical Grand Challenge 2024

Aug 2024

Finalist (Top 10 team)

Developed a Clinic Decision Support System using machine learning to provide predictive assessments for fetal delivery, improving labour management for obstetricians and midwives.

Hack For Good Hackathon 2024

Feb 2024

Finalist (Top 5 team)

Led the development of an integrated form analysis system for a sustainability NGO, utilising AI for enhanced understanding of volunteer feedback and long-term impact assessment, providing timely and actionable insights.

PSA Codesprint 2023

Oct 2023

Commendation Prize (Top 15 team)

Headed a team in the development of a machine-learning-powered container distribution system, optimising logistics and distribution processes across terminals and ports to enhance efficiency and reduce operational bottlenecks.

Full Stack Software Engineer, Google Developer Student Club

Aug 2023 - May 2024

Implemented a Volunteer Management System (VMS) for an NGO with over 50,000 volunteers, cutting management time by 90%.

NUS Orbital 2023

Aug 2023

Voter's Choice and Artemis (Highest Distinction)

- Spearheaded the development of a medication reminder mobile application to enhance medication management for patients with chronic patients.
- Oversaw all aspects of the project, including front-end and back-end development, design and documentation.

Lifehack 2023

May 2023

1st Runner Up

Led the development of a mobile app to address food waste in Singapore by enhancing food recycling efforts, driving impactful environmental change.