

Langkee Hong

Sydney, NSW | 0411 626 558 | Langkee.Hong@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

University of New South Wales

Bachelor of Science, Computer Science – 71.5 WAM

February 2023 – August 2026

Sydney, NSW

EXPERIENCE

Software Engineer | [MITE](#)

Sydney, NSW

Sep 2025 – Present

- Built NestJS APIs with Firebase sign-in (Google, Apple, phone), JWT sessions, and WebSocket messaging.
- Delivered sub-second listing discovery with a cursor-paginated feed and PostgreSQL full-text search.
- Added validated image uploads using Cloudflare R2, Terraform, and Cloudflare Workers.
- Automated Dockerized E2E tests with GitHub Actions and documented the API with Swagger.

Store Team Member | Woolworths Group | *Sydney, NSW*

Aug 2025 – Aug 2026

Online Fulfilment Team Member | Myer | *Sydney, NSW*

Sep – Dec 2024; Sep – Dec 2025

Waiter | China Castle | *Auckland, New Zealand*

May 2021 – Jan 2023

PROJECTS

Interactive Symbol Parser | *SvelteKit, TypeScript, PyTorch, PostgreSQL*

- Served ~1,000 weekly visitors with a browser-based drawing tool that parses hand-drawn symbols, validates their spatial relationships, and compiles diagrams into Three.js animations.
- Trained a multi-head ResNet18 on 9,000+ contributed samples, then distilled it into a 439K-parameter CNN for in-browser detection of symbol identity, angle, scale, and position.

Natural-Language Data Transformation Platform | *Django, React, Redis, Celery, PySpark*

- Processed millions of rows by generating regex from natural-language prompts with an LLM, caching patterns in Redis, and dispatching PySpark find-and-replace jobs through Celery.
- Provisioned AWS infrastructure with Terraform and automated cost-based server shutdown.

CERTIFICATIONS & AWARDS

AWS Certified Cloud Practitioner (CLF-C02)

Aug 2026

Best Design Award & Honourable Mention (Best Use of Elastic) – [UNI HACK](#)

Mar 2026

First Place – [HACKaByte Hackathon](#)

Mar 2025

VOLUNTEER EXPERIENCE

Training Lead | UNSW Software Development Society

Sydney, NSW

Jun 2024 – Dec 2024

- Led 10 student developers to deliver a full-stack web application and demonstrated the completed project
- Mentored students in web development, Git workflows, and collaborative practices during weekly meetings

Peer Mentor | UNSW Computer Science and Engineering Society

Sydney, NSW

Jan 2024 – May 2024

- Provided one-on-one academic guidance to first-year students, helping them navigate coursework and university life.
- Organised weekly social and academic events to help mentees connect with peers and settle into university.

TECHNICAL SKILLS

Programming Languages: Python, TypeScript, JavaScript, SQL, Bash, Java, C, C++, Rust

Frameworks: NestJS, Express, FastAPI, Flask, Next.js, React, TailwindCSS, Prisma

Data/Cloud/Tools: PostgreSQL, Redis, Firebase, AWS, Google Cloud, Cloudflare, Docker, Terraform, Git, Linux

Spoken Languages: English, Korean