

Hok Heng

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PROFESSIONAL SUMMARY

Software Engineer with a strong foundation in computer science and hands-on experience in designing, building, and optimising software systems. Passionate about developing innovative solutions and contributing to collaborative, dynamic team environments. Committed to continuous learning and leveraging emerging technologies to enhance system performance and drive impactful projects.

EDUCATION

Monash College | Docklands, VIC

Mar 2024 – Mar 2025

ACS Professional Year

RMIT University, City Campus | Melbourne, VIC

Feb 2021 – Dec 2023

B.S. - Computer Science

Certifications: MS Power Platform Fundamentals, IBM Developing Front-End Apps with React, IBM Cloud Computing, RMIT Resilience & Adaptability, RMIT Sustainability 101

EXPERIENCE

Software Engineer Intern | Beyond Zero Technologies

Nov 2024 - Current

- Developed and maintained a large-scale site sustainability dashboard for a leading logistics company, addressing scalability challenges by implementing dynamic frontend solutions aligned with design systems to enhance adaptability and user experience.
- Skilled in utilizing **GitHub**, **Jira** and **Confluence** for effective code management, documentation, branching, and collaboration within teams. Adaptable team player, capable of working on large codebases, adhering to coding standards, and effectively communicating with colleagues.

Machine Learning Engineer Intern | Sahara Space Pty Ltd

Jul 2023 - Nov 2023

- Led the development of the On-Board Machine Learning system for estimating spacecraft pose.
- Utilised the SPEED dataset for the initial design and development of the model.
- Performed **testing** and implemented **optimisation** techniques to refine the model's performance.

Software Engineer | RMIT University

Jul 2023 - Oct 2023

- Created a **React** web app for a Grocery Price Matching and Delivery platform in an **agile** environment.
- Utilised the **MVC Framework** to develop **API** using **Spring Boot** in **Java** to query from the database, fostering robust integration with the frontend application.
- Built **CI/CD pipeline** allowing developers to automatically deploy their pushed code utilising **GitHub Actions**.

PROJECTS

Portfolio Website | *React.js, Tailwind, Next.js*

- Developed a responsive personal portfolio website using **React.js** and **Next.js**, styled with **Tailwind CSS** for a modern and sleek appearance.
- Implement **Framer Motion** for smooth animations, **React-hook-form** for efficient form handling, **React-Toastify** for user notifications, enhancing user experience and engagement.
- Integrated **Zod** for form validation and **Resend** for email functionality, ensuring data accuracy, security, and seamless communication with visitors directly from the website.

Penelope's Pastry Delights Vending Machine | *C++*

- Developed the logic system for a vending machine with inventory management, cash and coin acceptance, and accurate change dispensing capabilities.