Ray (Zhan Rui) Yap

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Education

Master of Information Technology   University of Melbourne (2023.01 – 2024.07)
Grade: Distinction
Award: Melbourne Global Graduate Scholarship (2023)

Bachelor of Computer Science   Monash University (2020.02 – 2022.12)
Grade: Distinction
Award: International Study Grant (Admitted with ATAR 93.5)

Work Experience

Coding Expertise for AI Training (Contract)   **Outlier**, Remote   09.2024 – Present

• Evaluated and ranked AI-generated code in **Java**, **Python**, **JavaScript**, **TypeScript**, and **C++**.
• Improved generative AI applications by enhancing AI model training.
• Created clear, concise technical documentation adhering to strict grammar and style guidelines.

Software Developer Internship   **InflaMed**, Melbourne   02.2024 – 06.2024
• Designed web applications using **TypeScript**, **React**, **Next.js**, and **JavaScript** with RESTful API integration.
• Automated infrastructure using **Terraform** and deployed to **Google Cloud Platform**.
• Collaborated effectively in a cross-disciplinary team using **Git** for version control.

Project Experience

Augmented Reality Temporal Bone Surgery Simulator   02.2024 – 06.2024

• Contributed to a collaborative effort involving healthcare professionals and software engineers.
• Led the development and implementation of the user interface (UI) for the simulator.
• Applied the marching cubes algorithm to render detailed and accurate bone models for the AR environment, increasing rendering efficiency by 30%.

Ticket Management Web Application   10.2022 – 01.2023

• Developed a SPA application using C#, .NET 6.0, and MongoDB Atlas for cloud database management.
• Created database using MongoDB (Mainly implementing mongoDB Atlas cloud database)
• Managed user authentication and authorisation with Azure Active Directory B2C

Dish Recommender App   02.2022 – 11.2022

• Developed a consumer-focused Android app, incorporating optimized SQL scripts for performance improvements and geolocation features to enhance engagement.
• Developed the backend with Go, MongoDB, and MySQL, and managed the frontend using Java in Android Studio.

Extracurricular Activities

Volunteer for Orientation Activities University of Melbourne 02.2023
• Assisted in organising and executing orientation events for new students, ensuring a smooth transition into university life.
• Facilitated ice-breaking activities and group sessions to help new students build connection

Peer Mentoring Sunway College 03.2019 – 11.2019
• Achieved excellent marks (90+) in Mathematics and Economics, leading to selection as a peer mentor.
• Developed strong communication and teaching skills by tailoring explanations to individual learning styles.

President of Computer Science Club Poi Lam High School, Malaysia 02.2017 – 11.2018
• Conducted weekly learning activities, including workshops on new tools and basic programming, enhancing members' technical skills.
• Developed leadership and organisational skills by managing club operations and facilitating collaborative projects.

Skills

Tech Skills: Java, JavaScript, TypeScript, C#, Python

Soft Skills: Team collaboration, Problem-solving, Communication, Continuous learning

Frameworks: React, Next.js, Docker, CI/CD, Terraform, Git.

Cloud: AWS, Google Cloud Platform (GCP)

Certifications: AWS Certified Cloud Practitioner

Languages: English (PTE 90/90), Mandarin, Cantonese, Malay

References

Mari Robert
Founder & CEO of Inflamed
LinkedIn: https://www.linkedin.com/in/marirobert/
Recommendation Letter Available