

Ryan Martin

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Work Experience

Asia Pacific University

Feb 2022 - May 2023

Frontend Developer

Kuala Lumpur, Malaysia

- Built and optimised interfaces for university admin apps, significantly reducing task completion time for managing student intakes and receiving staff feedback
- Collaborated in cross-functional teams to ensure timely completion of projects
- Conducted thorough app testing and addressed 30-50 bugs to ensure a smooth deployment process
- Enhanced user satisfaction by 30% through collaborative design of intuitive user interfaces

AirAsia

Aug 2022 - Nov 2022

Product Design Intern

Kuala Lumpur, Malaysia

- Designed low and high fidelity prototypes for a superapp with over 12 million active users
- Conducted design QA, reducing UI inconsistencies by 40% to ensure a polished and user-friendly interface
- Analysed 1000+ user reviews and feedback to identify pain points and drive UX enhancements
- Resolved a website deployment pipeline issue, creating comprehensive documentation for efficient future updates and maintenance
- Collaborated on a team project to revamp the website, decreasing bounce rate by 25%

Education

Asia Pacific University

Sep 2020 - Sep 2023 (exp.)

B.Sc. (Hons) in Computer Science

Kuala Lumpur, Malaysia

- Specialisms: Data analytics
- Societies: IEEE Student Branch, Forensic & Cybersecurity Research Centre

Projects

PKPM E-Ticket System - github.com/rmrt1n/e-ticket

Jul 2022 - Sep 2022

- E-ticketing and check-in system built using Next.js, TailwindCSS, Prisma, and Supabase
- Collaborated with a team of 3 to design, build, and successfully launch the system over a 2 month period
- Implemented QR-based check-in that streamlined the event flow up to 400% for 600+ participants

Grape (Proof of Concept) - github.com/rmrt1n/grape

Feb 2023 - Jul 2023

- PoC carbon accounting system implementing the e-liability accounting approach, built using SvelteKit, TailwindCSS, Supabase, and Hyperledger Sawtooth
- Developed as part of my university final year project to showcase potential impact on the palm oil sector

Seacucumber - github.com/rmrt1n/seacucumber

Aug 2020 - Sep 2020

- Programming language interpreter inspired by Scheme and Ocaml, written from scratch in C
- Implemented core language constructs such as functions, conditionals, and recursion

Honours and Awards

- Finalist at Hack.Asia: Social Inclusion Challenge by Jardine Matheson - Feb 2022
- Semifinalist at Hilti IT Competition by Hilti Corporation - Mar 2022
- Semifinalist at TCS Sustainathon by Tata Consultancy Services - Dec 2021
- 1st place at APU Battle of Hackers 2021 by Asia Pacific University - Nov 2021

Skills and Interests

Languages: C, JavaScript, TypeScript, Rust, Java, Clojure, Python, R, SQL, C++, HTML/CSS

Frameworks & Libraries: SvelteKit, Next.js, React, Angular, TailwindCSS, Flask, Prisma

Dev tools: Linux, Git, Docker, GitHub Actions, SQL Server, PostgreSQL, Supabase, RabbitMQ, Figma, Vim

Interests: Sustainability, Climate tech, Desktop Linux, Cybersecurity, Compilers, Developer tools