

HO JIE RUI CANNETH

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Visit My Website!

canneth.dev



Programming Languages

TypeScript
JavaScript (ES6+)
HTML
CSS
SQL (PostgreSQL)

Technologies

React
NextJS
MobX
NodeJS (Express)
PostgreSQL
Mock Service Worker
Jest
Testing Library
Git
Vercel
Heroku



Design

Figma



Interests

Skateboarding
Parkour
History
Psychology
Philosophy



Work Experience

Automation Engineer @ Pocket Technology Pte Ltd

Aug 20 - Aug 21

Technical Lead, Solution Architect

Automated Concrete Testing Facility

- Designed and presented the proposal concept for the \$650,000 project
- Developed a policy-based logic architecture to coordinate 4 6-DOF robot arms and 8 independent material transport monorail shuttles
- Prepared and presented project updates to the customer on a bi-weekly basis as the main point of contact between the team and the customer

Project Lead, Solution Architect

Automated Steel Drum Lid Handling System

- Designed and presented the proposal concept that secured the \$250,000 project
- Learned to write, developed and then deployed production-ready code in an unfamiliar robotic programming environment within 3 weeks
- Communicated with persons of various technical levels while ensuring a common understanding of the project requirements by all



Personal Projects

JustGo! | justgo.dev

Dec 21 - Present

- A web app that helps users find and curate favourite places to go
- Frontend designed in Figma, written in TypeScript, built with NextJS and deployed on Vercel
- Uses MobX for state management; Jest and React Testing Library for testing
- GitHub repo: <https://github.com/canneth/just-go-frontend>

Personal Website v1 | canneth.dev

Dec 21

- My first serious attempt at making a performant website using modern technologies
- Frontend designed in Figma, written in JavaScript, built with NextJS and deployed on Vercel
- GitHub repo: <https://github.com/canneth/personal-website-v1>



Education

Singapore University of Technology and Design

May 15 - Sep 19

- Bachelor of Engineering (Engineering Product Development), Honours
- Focus Track: Robotics
- CGPA: 4.07/5.00 (Magna Cum Laude)

Stanford University

Jun 16 - Aug 16

- Stanford Summer International Honours Programme (SSIHP)
- Certificate of completion of the Summer Intensive in Computer Science
- CGPA: 3.35/4.00