# HO JIE RUI CANNETH

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Visit My Website!

canneth.dev

**Programming Languages**

TypeScript
JavaScript (ES6+)
HTML
CSS

**Technologies**

React
NextJS
NodeJS
MobX
Jest
Testing Library
Git

**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
- Produced a parametric simulation to explore and verify complex solution concepts
- 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
- Conveniently presents place details and hyperlocal weather reports to help users quickly decide on a destination
- Frontend designed in Figma, built with NextJS and deployed on Vercel
- Uses MobX for state management; Jest and React Testing Library for testing

### Personal Website v1 | canneth.dev            Dec 21

- My first serious attempt at making a performant website using modern technologies
- Frontend designed in Figma, built with NextJS and deployed on Vercel

## 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