

Shi Ji Chew

📧 dannysj.github.io/This-Is-Me

📍 Malaysia

in shi-ji-chew-9a8067139/

🐙 dannysj

An entrepreneurship +
Computer Science
enthusiast.

A problem-solver lover,
especially in algorithms
and UI/UX.

» Skills

PROGRAMMING LANGUAGES

C++

C

Java

Python

Matlab

R

FRONT END / MOBILE

HTML5

CSS3

Laravel

React

React Native

Swift

Javascript (ES5 / ES6)

Objective C

BACK END

MySQL

PHP

PostgreSQL

node.js

CLASS TAKEN

Data Structure and Algorithms

Human & Computer
Interaction

Theory and Application of
Pattern Recognition

Artificial Intelligence

Computer Networks

HARDWARE

Arduino

Raspberry Pi

Desktop assemble + repair

» Education

University of Wisconsin-Madison

Bachelor of Science Computer Science 2018

» Projects

AlgoBot

Apr 2018

- An algorithm game app that guides player in correctly tracing algorithms (such as Dijkstra's algorithm, Quick Sort, BFS, DFS) visually.
- Used Quad-Tree algorithm to create an interactive force directed graph, for memory optimization purpose.
- Role: iOS (Swift) Programmer

"Help!"

Jan 2018

- Connects hospital and nearby medical helpers and the victims in a fast and reliable way by sending current locations & injured position for early treatment.
- Role: React Native Programmer

EatUrPills

Feb 2018

- Scans description of the medical intake through phone's camera and automatically create medical intakes reminder in calendar app.
- Used basic NPL to process converted text from pictures with the help of Microsoft's Vision API.
- Role: React Native + Swift Programmer

Solve!

May 2017

- A "skill set endorsement app" that allows companies to connect with problem-solvers and idea pitchers.
- Performed design ethnography in a startup incubator and learnt startups' needs.
- Role: Entrepreneur + iOS (Swift) Programmer

Solar tracker steam-powered electric generator

Jun 2016

- An automated system that generate electricity through steam by tracking the movement of the sun, and focusing sunlight on water with Fresnel lens.
- Generated electricity without too much electric cost.
- Role: Arduino Programmer

» Awards

Bronze Award in Asian Youth Technology EXPO 2014 ·

Feb 2014

Universal Bicycle Safety Kit

An Arduino-powered safety kit that is designed to alert bicycle users when there is hazard.

» Volunteering

Microsoft Malaysia - Minecraft Hour of Code · Code teacher
Malaysia

Dec 2015

Assisted children and inmates to grasp programming concepts through code.org