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Zenan Han

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Education

Raffles Institution (Secondary & Junior College)

01/2013 – 12/2018

- Levels: "A" grade for all courses | Graduation Date: December 2018
- Courses Taken: H2 Mathematics, H2 Physics, H2 Chemistry, H2 History, H1 Project Work, H1 General Paper

Projects

Singapore Armed Forces (SAF) Dispersal Automator

09/2019 – Present

- Sole developer and maintainer of web app that simplified SAF 8th Infantry Regiment's soldier dispersal methods | <https://dispersal-278606.web.app/>
- Utilised Distance Google Matrix API to generate public transport travel times from entered postal code to 54 SAF Camps
- Reduced time taken to gather these durations from two minutes to five seconds per postal code
- Used Angular2 for front end, Firebase for back end and hosting

Personal Website

08/2020 – Present

- Developed personal website in three days | <https://dispersal-278606.web.app/>
- Utilised React for front end after self-learning React in a week
- Deployed with Heroku

Experience

Leadership

- (2016) Overall leader of two-weeks Raffles Institution & Shibuya Makuhari Leadership Exchange Program in Kanto Japan, organising logistics, itineraries, accommodations & safety measures for 28 students
- (2017-2018) Executive Committee & Quartermaster of Raffles Institution Drama Club
- (2017-2018) Successfully ran two drama productions with audiences of 300-400 students
- (2016) In organising team of three-day two-night Singapore Scouts South Area Leadership Camp, training ~50 8th grade scouts for future leadership roles

Skills

Languages

JavaScript, TypeScript, HTML, CSS, Python, C++, Go

Technologies/Frameworks

React, Next.js, Angular2, Node.js, Express.js, Bootstrap, Git

Community Service

Special Education

- (2015) Part of five-person research team at Rainbow Centre Margaret, researching positive effects of long-term exposure to exercise-gaming on the motor skills of children with special needs aged 10-12
- (2016) Intern homeroom teacher for four weeks at Rainbow Centre Yishun for a 5th grade class of children with special needs
- (2013-2016) Frank Cooper Sands Gold Award for scouting
- (2020) Volunteer math & physics tutor for 9th-10th grade students during COVID-19 lockdown

<https://github.com/zenanana>