Tan Rongwen, Daren

Mobile: +65 9113 2860 | Email: daren28@gmail.com | github.com/darentanrw

I am a motivated and open-minded individual interested in coding and open source projects, and am applying for an internship for the duration of 10 weeks between **10/1/2022 — 25/2/2022**.

Education

GCE 'A' Levels, Integrated Programme (IP), Hwa Chong Institution 2016 – 2021
- H2 Physics, H2 Math, H2 Computing, H2 Economics
- Recipient of Edusave ECHA Award in 2021, EAGLES Award in 2020, 2019 and 2018

Achievements

NUS Lifehack 2021, First Place July 2021
- Achieved top prize out of 130 teams in the 24-hour Hackathon that consisted primarily of undergraduate students
- Developed a mobile application with React Native and Expo to facilitate meaningful interactions online between recipients and donors doing community work
- Implemented backend Django server hosted on AWS EC2, DynamoDB on AWS S3 and AWS Rekognition for object classification
- Created management dashboard that integrated with Google Maps API for delivery routing and driver allocation

Organisations / Committees

Hwa Chong Global Digital Young Leaders Summit | Organising Team Member April – June 2020
https://gdylc.github.io
- Recipient of Ministry of Education Innergy Gold Award
- Brought together 120 student leaders from 8 countries to participate in an Alternate Reality Game simulating real-world policymaking
- Involved in the Storyboard and IT committees, creating the storyline and IT infrastructure respectively, using Slack API and React to create websites for gameplay

25th Student Leaders Convention | Assistant Organising Secretary 2019
https://25slc.github.io/
- Organised international convention bringing together 300 students across 8 countries to discuss and formulate solutions to pertinent social issues
- Coordinated the Organising Team consisting of 30 students, liased with foreign schools, drafted Action Plans, and coded the websites
- Previously organised the 24th and 23rd Student Leaders Convention in 2018 and 2017

Personal Projects

Personal Photography Website darensnaps September 2021
https://snaps.darentan.xyz/
- Personal photopgraphy gallery website, created with React and Barba.js
- Hosted on AWS ElasticBeanStalk (EC2 + EC3), and AWS Route 53 for SSL

Home Automation and IoT Sensor Cluster December 2021
- Ongoing project involving Arduino ESP32, I2C Sensor Communication and integration with open source IoT platforms Home Assistant and Google Home API
- Also involved schematics diagram drawing, and PCB Design