

Tan Zheng Wen

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EDUCATION

National University of Singapore (NUS)

Aug 18 - Present

- Bachelor of Engineering in Computer Engineering (Hons)
- Current Cumulative Average Point (CAP): 4.69
- Expected Date of Graduation: Jul 2022

WORK EXPERIENCE

Software Engineer Intern, DSO National Laboratories (DSO)

Jun 20 – Aug 20

- Modelled entities in C# using Object-Oriented Programming
- Simulated behaviour of entities with Discrete Event Simulation (O2DESNet)
- Visualised the simulation on a 3D mapping library (CesiumJs)

SKILLS

- C, C++, C#, Python, Java, JavaScript, Dart, HTML, CSS, SQL
- Web development with Django/Flask/Flutter
- Mobile App development with Flutter

PROJECTS

Bits & Bolts 2019 Hackathon

May 19 – May 19

- Created a node and server to monitor contamination in water bodies
- Each node was made with an ESP32 connected to various sensors
- **Awarded Best Hardware Hack**

Bra!nstorm (School of Computing Orbital project) ([Repository](#)) ([Demo](#))

May 19 – Jul 19

- Bra!nstorm is a web application developed with the Django framework and Sqlite3
- The web application serves as a learning platform where people can create and discover online courses

Farmio (Software Engineering School Project) ([Repository](#)) ([Demo](#)) ([Presentation](#))

Aug 19 – Nov 19

- Farmio is a fun and interactive game that aims to teach programming methodology to children.
- Through the game simulation, children can see their code in action and better understand the logic of the code blocks they have created.

IEEE NUS Hackathon 2020 ([Repository](#)) ([Demo](#))

Mar 20 – Mar 20

- Created a Sentiment analysis tool on Covid19
- Visualised the data and matched people's reaction to key events
- **1st runner up**

BrainHack 2020 CODE_EXP Hackathon ([Repository](#)) ([Demo](#))

Jul 20 – Jul 20

- Created a KTV mobile app with flutter
- Mobile app offered video call with Agora.io and synced the KTV video across devices
- **Finalist (top 8)**