## GOH JET WEI

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#### **EDUCATION**

#### Singapore University of Technology and Design

2023 - 2027

- Bachelor of Engineering (Computer Science and Design), SUTD Honours And Research Programme (SHARP)
- SUTD Global Merit Scholarship

#### **Temasek Junior College**

2019 - 2020

- 'A' Level Rank Points: 86.25 (PCME: H2 Physics, H2 Chemistry, H2 Mathematics, H1 Economics)
- 4 Distinctions (in all Sciences and Mathematics)

#### **WORK EXPERIENCE**

### Singapore University of Technology and Design Undergraduate Researcher

May 2024 - Present

- Co-authored the accepted paper 'Towards Adversarially Robust Human-in-the-Loop Learning for HVAC Systems' at the Artificial Intelligence for Wireless Communications and Networking (Al4WCN) Workshop in 2024, held by the Association for the Advancement of Artificial Intelligence (AAAI).
   [Paper Link]
- Invited to present at the AAAI-25 Conference at Philadelphia, USA.
- Conducted research under Dr Marie Siew and assisted in the development of a novel networkenabled crowd sourced reinforcement learning algorithm titled 'RARL HIL'. Conducted literature review and experimented with the novel algorithm in a human-in-the-loop (HIL) HVAC simulation.

#### **ACADEMIC PROJECTS**

#### Undergraduate Research Opportunities Programme Telegram Chatbot Teaching Assistant

May 2024 - Dec 2024

- Developed a Telegram Chatbot connected to a Streamlit website that gives personalized feedback on schoolwork based on school notes using Retrieval Augmented Generation and prompt engineering.
- Built and tested using Chatbase LLMs, Mistral LLMs, Snowflake, Telegram Bot API, Streamlit, Firebase, Figma and Vercel. [Certificate] [GitHub]

#### Design, Build and Test a Low-cost MRI Console (Spectrometer)

Jan 2024 – Apr 2024

• Conducted literature review of the Open-source Console for Real-time Acquisition (OCRA) and Red Pitaya SBC hardware as part of the project to build a low-cost MRI console. [Certificate]

#### **Hackathons**

#### SUTD x Petra Christian University (Indonesia) FACT Immersion Trip Hackathon

Jan 2025

Achieved 1<sup>st</sup> place. Developed a crop yield prediction and farming conditions recommendation
machine learning model along with a website to help local farm businesses. [Certificate] [GitHub]
 NiCE Hack NTU 2024

 Achieved 4<sup>th</sup> place in this hardware security hackathon to carry out Side-Channel Attacks to retrieve sensitive data from hardware implementations of cryptographic algorithms in the shortest time. [Certificate]

# School Projects Project Vroom

Jan 2025 - Apr 2025

 Achieved 'Outstanding Project Exhibit' during a SUTD projects showcase. Developed an android application to help Singaporean students find private driving instructors using various Data Structures and Algorithms including Priority Queues, Graphs, Dijkstra's algorithm and Java, OpenAl API and Firebase. [Certificate] [GitHub]

#### SUTD Student Government (ROOT) Website

Apr 2024 - Dec 2024

• Contributed to the development of the SUTD Student Government website, particularly the FAQ forum and Hotlines pages using React and Git.

#### Karaoke Event Song Queue Display and Registration Websites

Sep 2023 - Dec 2023

• Developed a song queue display and a singer registration website to facilitate a school-wide karaoke event. Built using Streamlit and Firebase. [GitHub]

#### **SKILLS**

Languages/Libraries Python (Stable Baselines, OpenAl Gym, Scikit-learn, Streamlit, NumPy,

Pandas, Matplotlib), Java, SQL (MySQL), JavaScript (React), C# (Unity),

HTML, CSS

Framework/Technologies Arduino, Firebase, Figma, Canva, Git