

TAN WEI ZHONG

- TANW0270@e.ntu.edu.sg • +65 9459 7256 • <https://www.linkedin.com/in/weizhong-tan-195aa21b4/>
- <https://github.com/twz00> • <https://twz.netlify.app/>

EDUCATION

Nanyang Technological University, Singapore Bachelor of Engineering (Computer Science)

Aug 2021 – Jul 2025

- Honours : Second Upper
- Relevant Modules : Data Science and Artificial Intelligence, Algorithm Design and Analysis, Object Oriented Design Programming and Operating Systems

EXPERIENCE

Singapore Armed Forces Signal Specialist

Aug 2019 – Nov 2020

- Led, trained and mentored a section of 4 men to be operationally ready for missions
- Expedited exercises using knowledge in network fundamentals, security, automation and programmability

Fabian Williams Coaching Concepts Data Analytics Intern

Dec 2017 – Dec 2017

- Analyzed the company's data to provide recommended training programs based on student profile
- Planned and customized training sessions that were specifically suited for each student athlete

CO-CURRICULAR ACTIVITIES

School of Computer Science and Engineering Club Welfare Subcommittee

Sep 2022 – Sep 2023

- Collaborated with a team of 10 members to assist in planning of welfare events

School of Computer Science and Engineering Club Orientation Group Leader

Jan 2022 – Aug 2022

- Led and oversaw a group of 14 freshmen during a 3-day orientation
- Adapted well to sudden changes in activities and programmes due to last minute COVID restrictions

Outdoor Adventure Club President

Mar 2017 – Jun 2018

- Planned and executed detailed weekly session that were enriching and safe
- Organized internal and external events that were engaging and adventurous and liaised with external vendors
- Directed, supervised and managed the EXCO team

CERTIFICATIONS & COURSES

- | | |
|------------------------------------------------|---------------------------------------|
| • Certified Ethical Hacker (V11) | : EC-Council |
| • Data Science 101 & 102 | : Hackwagon Academy |
| • Advanced Data Analytics and Machine Learning | : Tertiary Infotech |
| • Deep Learning | : Tertiary Infotech |
| • Mobile Application Development | : Smart Academy |
| • Web Application Development | : Smart Academy |
| • Cisco Certified Network Associate | : Cisco |
| • Certified Machine Learning Specialist | : Global ICT Training & Certification |
| • Certified Business Analytics Specialist | : Global ICT Training & Certification |
| • Certified Blockchain Specialist | : Global ICT Training & Certification |

PROJECTS

Movie Booking and Listing Management Application

- Built an application which computerises the process of making online booking and purchase of movie tickets, listing of movies and sale reporting using Java
- Implemented application using Object-Oriented concepts and Principles such as the SOLID principle

Progressive Web Application

- Built and Deployed a Full stack responsive personal website portfolio using React for frontend, Sanity for backend, Sass for styling and Framer Motion for animations
- Created a progressive web application using HTML, CSS and JavaScript which can be viewed on any screen dimension for both mobile and desktop view and is implemented with a service worker to cache already visited pages

Exploratory Data Analysis and Machine Learning

- Performed market basket analysis on an E-commerce store dataset using Apriori algorithm which revealed Data-Driven insights to provide recommendations for the E-commerce store to increase sales and revenue as well as suggestions on customer inventory management
- Performed data exploration visualization and geospatial analysis on an Airbnb dataset using python
- Applied machine learning models on a car dataset to predict car prices using python

Mobile Application

- Created a Pomodoro-to-do list mobile application from scratch using React Native which can be used across all mobile operating systems for time management/ focus

SKILLS

Programming Languages: Python, C, C++, Java, HTML, CSS, Sass, JavaScript, Git