

TAN YUEH YANG VINCE

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EDUCATION

Singapore Management University

Bachelor of Science (Computer Science)

Singapore

Aug 2023 - Present

- GPA: 4.00/4.00
- Awarded the SMU Global Impact Scholarship Award

NUS High School of Mathematics & Science

NUS High School Diploma

Singapore

Jan 2015 - Dec 2020

Honours in Mathematics, and Majors in Chemistry, Physics and Computing Studies

- Grade: High Distinction

EXPERIENCE

Republic of Singapore Air Force

Transport Supervisor

Singapore

Apr 2021 - Feb 2023

- Oversaw day-to-day activities in 160 Squadron's Motor Transport Line
- Conducted training and refreshers for NSMen

ACHIEVEMENTS

SMU Code# 2024

2nd Runner Up

Singapore

2024

- Emerged as the 2nd runner up out of 180+ participants in SMU Ellipsis' annual coding competition

NUS DSC Hack For Good Hackathon

Participant

Singapore

2024

- Utilized React and Astro to create a scalable web application gamifying environmental volunteerism, using a dynamic rewards system to track and incentivize sustainable actions within a community-driven platform

NUS-RightShip Hackathon 2024 (University Category)

Winner

Singapore

2024

- Leveraged Pandas for comprehensive data analysis and Matplotlib for visualizing greenhouse gas emissions at Pasir Panjang port, identifying key opportunities for emissions reduction through vessel electrification

Singapore Computer Society Award for the Top Student in Programming Fundamentals I

Top of CS101 (2023-2024 Term 1)

Singapore

2023

NUSH Hackathon

Participant

Singapore

2020

- Led ideation and development of nush.link, a URL shortener tailored for NUS High School's community
- Integrated a MySQL database with backend system using Express.js, and implemented React for frontend development

Singapore Science and Engineering Fair

Merit

Singapore

2020

- Developed and presented an alternative form of visual field assessment using Unity and Brain Computer Interface technology

Australian Informatics Olympiad

Bronze (Senior Division)

Silver (Junior Division)

Silver (Junior Division)

Singapore

2019

2018

2017

Singapore Games Creation Competition

Consolation Award (Top 8)

Merit Award (Top 16)

Singapore

2018

2017

- Developed educational games using Unity, blending engaging gameplay with lessons on healthy lifestyles and recycling

Computational and Algorithmic Thinking Competition

High Distinction, Perfect Score

Singapore

2016

Beaver Computing Challenge

Distinction

Distinction

Singapore

2016

2015

CO-CURRICULAR ACTIVITIES

SMU Business Intelligence and Analytics Club

Data Associate

Singapore

Dec 2023 - Present

- Collaborating with other Data Associates in a data science project focused on predicting grades of Moonboard problems, and also presented on neural networks as part of a co-learning session

TECHNICAL SKILLS

- Python
- Java
- C
- React
- Node.js
- Unity
- Figma