TAN YU HOE

AI Engineer / Data Scientist / Tech Evangelist

Singapore

yuhoetan@gmail.com ◆ www.linkedin.com/in/yu-hoe-tan/ ◆ github.com/tyh71

WORK EXPERIENCE

GovTech Singapore   **Singapore**
AI Engineer Intern   Apr 2022 — Jun 2023
- work

EDUCATION

Singapore Polytechnic   **Singapore**
Diploma in Applied AI and Analytics   Aug 2017 — May 2023
- **Honors**: 3.8 / 4.0 GPA
- **Courses**: Algorithms & Data Structures, Applications in Quantitative Finance, Engineering Data Analysis, Compiler Architecture
- **Thesis**: A convolutional neural network for predicting Greenland glacier melt and glacial water flow
- **Activities**: Debating, Chess, Cricket

LEADERSHIP AND ACTIVITIES

White Hat Hackers Association   **Cambridge, United Kingdom**
Vice President for Internal Affairs   May 2020 — May 2021
- But I must explain to you how all this mistaken idea of reprobating pleasure and extolling pain arose.
- But who has any right to find fault with a man who chooses to enjoy a pleasure that has no annoying consequences, or one who avoids a pain that produces no resultant pleasure?
- Can you then suppose that those heroic men performed their famous deeds without any motive at all?

London Bridge Toastmasters Club   **City of London, United Kingdom**
Member   Jun 2022 — Jun 2023
- Won Champion in the Division A District X Speech Evaluation Contest of Toastmasters International
- Promising Toastmaster of the Year (PY 2022-2023)
- Tell me, pray, what explanation do you put upon their actions?

PROJECTS

Job Tailor
Open University   Nov 2020 — Apr 2021
- Developed an AI-powered résumé editor app to create tailored résumés from users' CVs based on specific job descriptions.
- Acquired more than 100,000 user sign ups in 3 months and more than 10,000 active monthly users.
- Generated profit of upwards $20,000 yearly with a team of only four developers and three business operatives

HONORS AND AWARDS

Champion in the Division A District X Speech Evaluation Contest City of London, United Kingdom
Issued by *Toastmasters International*   May 2023

Finalist in the 2020 SCG Bangkok Business Challenge Global CompetitionBangkok, Thailand
Issued by *Sasin School of Management*   Jul 2020

- Made it to the Top 5 (selected from over 100 teams) in the world for the semi-finals of the SCG Bangkok Business Challenge @ Sasin 2020 Global Competition held at Bangkok, Thailand from July 7-12, 2020.
- Served as the speaker and presented in the 60-second pitch round of the Opening Reception of the SCG Bangkok Business Challenge @ Sasin 2022 for Team London Bridge.

LICENSES AND CERTIFICATIONS

Learning How to Learn: Powerful mental tools to help you master tough subjects　　ID: 1MPR3CVR3SUM3

Issued by *Coursera*　　　　　　　　　　　　　　　　　　　　　　　　　　Sep 2021

RESEARCH AND PUBLICATIONS

A convolutional neural network for predicting Greenland glacier melt and glacial water flow

Published on *Theoretical and Computational Fluid Dynamics*　　　　　　Sep 2020

SKILLS, LANGUAGES, INTERESTS

- **Languages**: English (Native speaker), German (Native speaker), Japanese (Basic proficiency)
- **Soft Skills**: Public Speaking, Debating, Communication, Critical Thinking, Leadership, Persuasive Writing, Technical Writing
- **Programming**: Python, SQL, PostgreSQL, MATLAB/Octave, HTML, CSS, Javascript, Typst, LaTeX
- **Tools**: Microsoft Word, Git, Docker, Visual Studio Code, Canva
- **Web Development**: React, Next.js, million.js, Svelte & Sveltekit, Tailwind CSS, Node.js, Deno, FastAPI, Flask
- **BI & Data Analytics**: Microsoft Excel, Microsoft Power BI, Jupyter Notebook, Numpy, Pandas, Plotly, Altair
- **Interests**: Video Games, Anime, Reading Non-fiction, Classical and Original Soundtrack Music

REFERENCES

- **Dr. Jane Austin**: "John was a great student. He was always eager to learn new things and was very passionate about his studies. As his mentor, I am proud to say that he was also a great leader and was able to lead his team to victory in the 2020 SCG Bangkok Business Challenge Global Competition."

*This document was last updated on 2025-05-05 using ~~LaTeX~~ Typst.

2 / 2