

TAN YU HOE

AI Engineer / Data Scientist / Tech Evangelist

Singapore

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WORK EXPERIENCE

GovTech Singapore

AI Engineer Intern

Singapore

Apr 2022 – Jun 2023

- Video Analytics Team, Data Science and Artificial Intelligence Division

EDUCATION

Singapore Polytechnic

Diploma in Applied AI and Analytics

Singapore

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

Vice President for Internal Affairs

Cambridge, United Kingdom

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

Member

City of London, United Kingdom

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

Issued by *Toastmasters International*

City of London, United Kingdom

May 2023

Finalist in the 2020 SCG Bangkok Business Challenge Global Competition

Issued by *Sasin School of Management*

Bangkok, Thailand

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

Issued by *Coursera*

ID: 1MPR3CVR3SUM3

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.”