

Brian Tham

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Education

Singapore Institute of Technology

B.Sc. (Hons), Applied Artificial Intelligence. GPA: 4.41/5.00

Relevant Coursework: Mathematics 1 & 2, Machine Learning, Computer Vision and Deep Learning, Large Language Models, Data Structures and Algorithms, Cloud Computing and Big Data

Singapore

April 2026

FPT University

Short course in Computer Vision and Deep Learning, achieved Best Accuracy of Model award

Da Nang, Vietnam

August 2024

Singapore Polytechnic

Diploma in Information Technology – Game Development, AI & Machine Learning elective

Singapore

April 2021

Experience

Agency for Science, Technology and Research, Institute for Infocomm Research (I2R)

ARIA Research Intern

Singapore

September 2025 – April 2026

- Selected for a competitive research internship focusing on image super-resolution and denoising

Singapore Institute of Technology

Research Assistant

Singapore

September 2024 – December 2024

- Researched and conducted literature review on AI Model Security
- Implemented UNet model for brain MRI segmentation

Ministry of Defence

Admin Support Assistant

Singapore

October 2021 – August 2023

- Automated data processing and visualization, condensing a 24-hour procedure into 30 minutes

Lee Kong Chian School of Medicine

Digital Learning Intern

Singapore

September 2020 – February 2021

- Boosted tests scores by 20% through tailored e-learning solutions
- Spearheaded the digital transformation of anatomy reference materials

Projects

Multimodal LLM Profanity Detection

nightey3s-profanity-detection.hf.space

- Multimodal and context-aware profanity detection and detoxification
- Dockerized and deployed on HuggingFace as a web application

FoodVision – Deep Learning Food Detection System

nightey3s-foodvision.hf.space

- Web-based real-time food detection system utilizing YOLOv8

Speech Emotion Recognition using Wav2Vec2

ser.tham.ai

- Achieved 69.02% accuracy on IEMOCAP dataset

Skills & Interests

- Technical:** Python, R, C, C#, C++, PyTorch, Tensorflow, Docker, Git, GCP, AWS
- Language:** Native English and Conversational Chinese
- Certifications:** Google Cloud Certified – Professional Machine Learning Engineer
- Research Interests:** Quantum Computing, Recommender Systems, Computer Vision, Large Language Models