

Jovan Heng Ghim Hong

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<https://github.com/JovanHengGhimHong>

Education & Experience

Diploma in Applied AI and Analytics from Singapore Polytechnic

2024-2027

- School of Computing
- GPA: 3.91

A*STAR (CFAR)

March 2026-Present

- Research Internship with emphasis on AI Safety
- Supervisor: Dr Jing Li

Notable Projects

Diagnosing Architecture Demand for Text Classification and its Trade-offs – Pytorch, Classification, NLP

- Proposing a lightweight probing framework with deterministic models and statistical methods to predict architectural demand for text classification while maintaining high interpretability and minimal compute

Shield What Matters: Protection against Service-Time VLMs – Pytorch, Security

- Proposing a method that protects images from unintentional VLM inference of sensitive information from the image while maintaining enough utility from the image.

Study on Attention's impact on Sequential Models via Song Generation – Pytorch, Attention

- An empirical study on how self-attention affects the quality of text generation via sequential models and how they hold against very lightweight transformer architectures.

Veratu – Nodejs, Discord.js, MongoDB

- Developed a server for a Discord Bot to perform moderation tasks in discord servers such as text censorship, ticketing systems (like IT support tickets) and music playing.

Certificates

- **Introduction to Deep Learning with Keras – Datacamp (2025)**
- Generative AI Concepts – Datacamp (2025)
- Introduction to Data Visualization with Plotly in Python – Datacamp (2025)
- Supervised Learning with scikit-learn – Datacamp (2024)
- Problem Solving Basics – Hackerrank (2023)

Technical Competencies

Programming Languages

Python, Javascript

AI Frameworks

Pytorch, Keras, Scikit-Learn

References

Available Upon Request