Quyet Do

Ph.D. in Computer Science — Virginia Tech

Profile

I aspire to develop AI that evolves through efficient self-learning, similar to the development of human intelligence. In the era of large AI models, my research focus includes *instruction following capability*, *creative reasoning*, and *self-learning agent with memory*.
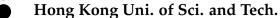
Education

present ↑ 2024

Virginia Tech
Ph.D. in Computer Science. Supervised by Prof. Tu Vu

2024 ↑ 2018

Hong Kong Uni. of Sci. and Tech.
MPhil. in Computer Science. Supervised by Prof. Yangqiu Song.
BSc. in Data Science, CGA: 4.0/4.3, Rank 2/39. Transcript.

Professional Experience

present ↑ 2021

Research projects
- *Creative reasoning* capability for solving complex tasks efficiently and creatively.
- *Complex instruction following capability* of LLMs.
- Expand a *knowledge base*, involved in prompt engineering with LLMs, fine-tuning with smaller Language Models, and construction of the evaluation dataset.

2025

Research Scientist Intern
Adobe Research, San Jose, USA
Mentor: Dr. Viet Lai, Dr. David Yoon, Dr. Trung Bui

- Work on *automatic evaluation for image generation and editing*. Improve the performance of GPT-4o and Gemini-2.5-Pro in the task by *9% accuracy and Pearson correlation*.

2022

Software Engineer Intern
Eureka FinTech Limited, Hong Kong
Mentor: Dr. Hwa-Ping Chang

- Work on the core (NLP) engine, including data crawling and information extraction on financial entities.

2021

AI Engineer Intern
R&D group, Vietnam Technology International, Hanoi
Manager: Ha Pham

- Key person of a VI-JA Machine Translation project.

Extracurricular Activity

2023

Vietnamese Students' Day @ HK 2023
Chief Organizer

Bridging Worlds: Connecting Vietnamese Student in Hong Kong to Opportunities.

Contact

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Github
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LinkedIn
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Homepage
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Skills

- Project Management, Teamwork
- Data Mining, Extraction, Processing
- TPU-training, Cloud Computing
- Software: PyTorch, Transformers
- Hobby: Singing and Sport
- Mental Health First Aid

Awards

- Area Chair Award @ AACL, 2023
- Academic Achievement Medalist @ HKUST, 2022
- Bronze Medalist @ IMO, 2017

Selected Publications

- **Q. V. Do**, S. Yoon, R. Zhang, T. Nagarajah, H. Jung, T. Bui, V. D. Lai, "Can Specialized Image Assessment Models Aid MLLM-as-a-Preference-Model in Image Generation and Editing?," *Under Review*.

- **Q. V. Do**, M. Karpinska, K. Krishna, T. Vu, "StackIF: Benchmarking Frontier LLMs on Summarization with 100+ Instruction-Stacked Prompts," *Under Review*.

- **Q. V. Do**, T. Fang, S. Diao, Z. Wang, Y. Song, "ConstraintChecker: A Plugin for Large Language Models to Reason on Commonsense Knowledge Bases," in *Proceedings of EACL, 2024*.