Quyet Do

Ph.D. in Computer Science — Virginia Tech

Profile

I aspire to develop artificial intelligence (AI) in a similar way as human intelligence develops, and apply new techniques to solve real-world problems. In the era of large AI models, my research focus includes *creative reasoning*, *instruction following capability*, and *self-learned 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

Email
quyetdo@vt.edu
Github
https://github.com/dovanquyet
LinkedIn
www.linkedin.com/in/dovanquyet/
Homepage
dovanquyet.github.io

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

- Y. Bang, S. Cahyawijaya, N. Lee, et al. (including **Q. V. Do**), "A Multitask, Multilingual, Multimodal Evaluation of ChatGPT on Reasoning, Hallucination, and Interactivity," in Proceedings of AACL, 2023.

- T. Fang, **Q. V. Do**, H. Zhang, et al., "PseudoReasoner: Leveraging Pseudo Labels for Commonsense Knowledge Base Population," in Findings of the EMNLP, 2022.