Quyet Do

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Research Interests

I aspire to develop artificial intelligence (AI) in a similar way as human intelligence develops. In the era of large AI models, my research focus includes:

- **Instruction following capability**: evaluating AI models under the extreme loads of instructions, which resembles the need in AI alignment or agentic AI.
- **Automatic evaluation**: developing techniques to enhance automatic evaluation of AI-generated data is key for future AI development.
- **Neuro-symbolic reasoning system**: learning both system-1 and sytem-2 reasoning capability in an efficient way and within a model by combining neural and symbolic modules.

Working Experience

05/2025 - 08/2025	**Research Scientist Intern**, Adobe, San Jose, USA. Mentor: Dr. Viet Lai and Dr. Trung Bui
03/2021 - 09/2021	**AI Engineer Intern**, R&D group, Vietnam Technology International, Hanoi

Education

08/2024 - present	**Ph.D. Computer Science and Applications** Virginia Tech Supervisor: Prof. Tu Vu Specialization: *Natural Language Processing*
08/2022 - 06/2024	**M.Phil. Computer Science and Engineering** Hong Kong University of Science and Technology (HKUST) Supervisor: Prof. Yangqiu Song Specialization: *Natural Language Processing*
08/2018 - 06/2022	**B.Sc. Data Science and Pure Math (Advanced Track)** Hong Kong University of Science and Technology (HKUST) CGA: *4.0/4.3 as of Graduation (Top 2/39)* *First Class Honors with Academic Achievement Medal*

Selected Publications

For the full list of my publications, please visit my Google Scholar profile.
Remark: * indicates equal contribution.

1. **SEACrowd: A Multilingual Multimodal Data Hub and Benchmark Suite for Southeast Asian Languages**
   Holy Lovenia and Rahmad Mahendra and Salsabil Maulana Akbar et. al. *including* Quyet V. Do
   EMNLP 2024. [pdf].

2. **ConstraintChecker: A Plugin for Large Language Models to Reason on Commonsense Knowledge Bases**
   Quyet V. Do, Tianqing Fang, Shizhe Diao, Zhaowei Wang, Yangqiu Song
   EACL 2024. [pdf] [code].

3. **A Multitask, Multilingual, Multimodal Evaluation of ChatGPT on Reasoning, Hallucination, and Interactivity**

Yejin Bang, Samuel Cahyawijaya, Nayeon Lee, Wenliang Dai, Dan Su, Bryan Wilie, Holy Lovenia, Ziwei Ji, Tiezheng Yu, Willy Chung, Quyet V. Do, Yan Xu, Pascale Fung
AACL 2023, **Area Chair Award**. [pdf] [code].

4. **PseudoReasoner: Leveraging Pseudo Labels for Commonsense Knowledge Base Population.**
Tianqing Fang, Quyet V. Do, Hongming Zhang, Yangqiu Song, Ginny Y. Wong and Simon See
Findings of EMNLP 2022. [pdf] [code].

Awards and Achievements

2024	🔖	**Outstanding Reviewer Award**, EMNLP 2024
2023	🔖	**Area Chair Award**, Language Modeling and Analysis Track, IJCNLP-AACL 2023
2022-2024	🔖	**Postgraduate Studentship**, HKUST
2022	🔖	**Academic Achievement Medalist of UG Class of 2022**, HKUST
2019-2022	🔖	**Chern Class Achievement Scholarship with outstanding performance**, HKUST
2021, 2022	🔖	**Epsilon Fund Award**, HKUST
2018-2022	🔖	**Dean's List Student** (All semesters except Spring 2021), HKUST
	🔖	**University Scholarship**, HKUST
2017	🔖	**Bronze Medalist**, 58th International Mathematical Olympiad

Miscellaneous Experience

Talks

04/2024	🔖	ConstraintChecker: A Plugin for Large Language Models to Reason on Commonsense Knowledge Bases (HKUST CSE RTF 2024)

Services

Reviewer	🔖	EMNLP'22,23,24,25, ACL'23, AACL'23, EACL'24
Volunteer	🔖	IJCAI'23
Others	🔖	• Guest speaker @ HKUST DSCT Alumni Sharing 2022 • Representative @ HKUST RGC Visit 2023 • Head of Event Organization @ VSAHK 2023 • Speaker @ MathTalk 2024 (Vietnam)

Skills

Languages	🔖	Vietnamese (*Native*), English (*Full Proficiency*), Chinese (*Elementary Proficiency*)
Coding	🔖	Python, PyTorch, familiar to TPU-training and Cloud Computing
Misc.	🔖	Seminar/event organization, Mental health First aid, Presentation (sample)

References

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Dr. Kalpesh Krishna
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