

# Quyet Do

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## Research Interests

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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:

- **Instruction following capability:** evaluating AI models under the extreme loads of instructions, which resembles the need in AI alignment or agentic AI.
- **Creative reasoning:** training models to efficiently and creatively solve complex tasks.
- **Self-learned agents with memory:** applying different types of memory—working, short-term, and long-term—into agentic systems to enable *learning from doing* and *long-context processing*.

## Education

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- 08/2024 - present     **Ph.D. Computer Science and Applications**  
Virginia Tech  
Supervisor: Prof. [Tu Vu](#)  
Specialization: *LLMs*
- 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*

## Professional Experience

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- 05/2025 - 08/2025     **Research Scientist Intern**, Adobe Research, San Jose, USA.  
Mentor: Dr. [Viet Lai](#), Dr. [David Yoon](#), and Dr. [Trung Bui](#)  
Summary: 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*
- 06/2022 - 08/2022     **Software Engineer Intern**, Eureka FinTech Limited, Hong Kong  
Mentor: Dr. [Hwa-Ping Chang](#)
- 03/2021 - 09/2021     **AI Engineer Intern**, R&D group, Vietnam Technology International, Hanoi  
Manager: [Ha Pham](#)

## Selected Publications

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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  
 ACL 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

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

## Miscellaneous Experience

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### Talks

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

Reviewer	🏆	EMNLP'22,23,24,25, ACL'23, AACL'23, EACL'24,25
Volunteer	🏆	IJCAI'23
Others	🏆	<ul style="list-style-type: none"> <li>• Guest speaker @ HKUST DSCT Alumni Sharing 2022</li> <li>• Representative @ HKUST RGC Visit 2023</li> <li>• Head of Event Organization @ VSAHK 2023</li> <li>• Speaker @ MathTalk 2024 (Vietnam)</li> </ul>

### Skills

Languages	🏆	Vietnamese ( <i>Native</i> ), English ( <i>Full Proficiency</i> ), Chinese ( <i>Elementary Proficiency</i> )
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. Tu Vu**, Assistant Professor @ Virginia Tech and Faculty Researcher @ Google DeepMind, USA, ✉️  
 tuv@vt.edu

**Dr. Viet Lai**, Research Scientist @ Adobe Research, USA, ✉️ daclai@adobe.com