Ngoc Luu

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About

My research aims to advance the field of Artificial Intelligence by exploring novel approaches in Reasoning AI, Test-Time Scaling. I am deeply passionate about creating innovative, scalable solutions that not only push the boundaries of AI capabilities but also deliver meaningful impact in real-world applications

Education

Ha Noi University of Science and Technology

Bachelor of Science in Computer Science (**Excellent Degree**) *GPA: **3.62/4.00***

Publications

Adaptive Prompting for Continual Relation Extraction: Within-Task Variance Perspective |

- **Authors:** Minh Le*, **Tien Ngoc Luu***, An Nguyen The*, Thanh-Thien Le, Trang Nguyen, Tung Thanh Nguyen, Linh Ngo Van, Thien Huu Nguyen
- **Conference:** 39th AAAI Conference on Artificial Intelligence (AAAI 2025) – **Oral Presentation**

Optimizing Answer Generator in Vietnamese Legal Question Answering Systems Using Language Mod

- **Authors:** Huong Le*, **Tien Ngoc Luu***, Thanh Nguyen*, Tuan Dao, Sang Dinh
- **Journal:** ACM Transactions on Asian and Low-Resource Language Information Processing (TALLIP 2024)

* *Equal contribution*

Research Experience

Data Science Laboratory – SoICT | *Undergrad Research Assistant* *October 2022 – May 2024*

- Supervisor: **Dr. Linh Ngo Van**
- Research Topic: **Continual Learning**, **Natural Language Processing**
- Thesis: Continual Learning for Relation Extraction.
- 1 accepted publication at **AAAI**

Industrial Experience

Qualcomm AI Research | *Research Resident* *October 2025 – Present*

- Supervisor: **Dr. Tung Pham**
- Research Topics: **Reasoning AI**, **Test time Scaling**
- Building a strong foundation in research.

Prep Company | *AI Engineer* *October 2024 – October 2025*

- Developed an AI system for automatic **IELTS Speaking and Writing** scoring.
- Implemented speech and text evaluation models for criteria assessment.
- Collaborated with English experts to collect large datasets for model training and validation.
- Deployed models via scalable **APIs**.

CMC ATI Company | *AI Engineer* *March 2024 – October 2024*

- Built an internal **chatbot system** to serve employees.
- Developed **NER models** to extract key information from official documents.
- Developed **Automatic Speech Recognition** to improve **Speech-to-Text** accuracy.

SoICT – HUST | *Research Assistant* *October 2023 – March 2024*

- Supervisor: **Prof. Le Thanh Huong**
- Problem: **Vietnamese Legal Question Answering Systems**.
- Collected legal QA dataset from reputable sources (**DichVuCong**, **ThuVienPhapLuat**).
- Pretrained on legal corpus and fine-tuning **Llama2-7B** with legal QA pairs.
- 1 accepted publication at **TALLIP**

DNSE Company | *Data Science Intern* *June 2023 – September 2023*

- Developed a **Chatbot System** for answering users' questions in the **stock market domain**.
- Implemented technologies and frameworks including **Langchain**, **Elastic Search**, etc.
- Trained the **BARTpho** model for combining multiple summaries in the stock field, achieving significant reduction in semantic redundancy.

Personal Projects

Zero-shot Named Entity Recognition for Vietnamese General Task | *Python, Transformers*

- Developed a **zero-shot NER model** for Vietnamese using the **GliNER** method.
- Validated effectiveness on real-world Vietnamese datasets, recognizing entities including names, locations, organizations, and other categories.

Technical Skills

Programming Languages: Python, C/C++
Frameworks & Libraries: PyTorch, TensorFlow, Hugging Face Transformers, Scikit-learn
Developer Tools: VS Code, Docker
Version Control: Git, GitHub, GitLab
Operating Systems: Windows, Linux, macOS
Documentation & Writing: LaTeX

Achievements

Top 0.01% in Vietnam National Exam **2020**

- **29.25** – A00 combination in Vietnam National Examination

Top 2 in the Leaderboard for the SLU track at the SoICT Hackathon **2023**