

HUY NGO

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EDUCATION

- Undergraduate student, Computer Science, Posts and Telecommunications Institute of Technology (PTIT), 2017 - present

PUBLICATIONS

- Ngo Quang Huy**, Tu Minh Phuong, and Ngo Xuan Bach. Autoencoding Language Model Based Ensemble Learning for Commonsense Validation and Explanation. [\[paper\]](#)
- Ngo Quang Huy**, Nguyen Duc Manh Tuan, Nguyen Anh Duong, and Pham Quang Nhat Minh. AimeLaw at ALQAC 2021: Enriching Neural Network Models with Legal-Domain Knowledge. KSE 2021. [\[paper\]](#)

EXPERIENCE

Electronics Research Lab

Intern

Sep 2018 - Jan 2019

- Read, reported different methods/papers of Machine Learning, Optimization
- Implemented some Clustering methods on some popular public datasets
- Implemented Transfer Learning for image classification
- Learned basic knowledge of Machine Learning

PTIT Machine Learning and Applications Lab

Research Assistant (Director: Associate Prof. Ngo Xuan Bach, [homepage](#))

Aug 2020 - present

- Conducted experiments on Sequence Labeling tasks
- Conducted experiments on Text Classification tasks
- Proposed an ensemble method based on Autoencoding Language Model for the Commonsense Validation and Explanation task (outperforms the state-of-the-art result)
- Doing research on Community Question Answering

Aimesoft JSC

AI Research Engineer

Jan 2021 - present

- Toshiba Automatic Speech Recognition: Preprocessed data for Romanian and Hungarian to build acoustic models
- Japanese Text Summarization: built and trained model, created API
- Vietnamese Legal Processing: participated in the ALQAC 2021 workshop
- Japanese GPT-3: Fine-tuned our GPT-3 on sentiment analysis, implemented customized text generation and created API
- Aimespeech TTS
- Aimespeech STT

TECHNICAL SKILLS

- AI**: Natural Language Processing, Speech Processing, Deep Learning, Machine Learning
- Deep Learning frameworks/tools/libraries**: Python, Numpy, Pandas, PyTorch, Tensorflow2/Keras, Scikit-learn, DeepSpeed, ONNX
- Software Engineering**: FastAPI, Flask, Linux, Git, Docker

CERTIFICATIONS

Deep Learning Specialization - DeepLearning.AI

Nov 2018 - present

[\[certificate\]](#)

Natural Language Processing Specialization - DeepLearning.AI

Aug 2020 - present

[\[certificate\]](#)

Natural Language Processing in Tensorflow - DeepLearning.AI

Jul 2020 - present

[\[certificate\]](#)

ACTIVITIES AND AWARDS

- Best Presentation Award (KSE 2021, ALQAC). [\[certificate\]](#)
- First Prize in Task 2: Legal Textual Entailment (KSE 2021, ALQAC). [\[certificate\]](#)
- Second Prize in Task 3: Legal Question Answering (KSE 2021, ALQAC)
- Second Prize in Task 1: Legal Document Retrieval (KSE 2021, ALQAC)

OPEN SOURCE PROJECTS

- Huggingface* contributor
- My projects are listed at [Github](#)

OTHER SKILLS

Languages English: professional proficiency. Vietnamese: native.