

# Mai Hoang Dao

✉ Email | 🌐 Personal Website | 📄 Google Scholar

## RESEARCH INTERESTS

My goal is to enrich our understanding of how conversational features in speech and spoken language influence human cognition and behaviours, thereby fostering advancements in human-machine interactions.

## EDUCATION

### The University of Edinburgh

Google Deepmind-funded Ph.D. Candidate in Informatics

- Advisor: [Prof. Peter Bell](#); [Dr. Catherine Lai](#)

Oct. 2022 – Present

Edinburgh, United Kingdom

### Posts and Telecommunications Institute of Technology (PTIT)

Bachelor of Engineering in Information Technology, Major in Information System

- GPA: 3.82/4.00 (ranked 1<sup>st</sup>/750)

Aug. 2017 – Jan. 2022

Hanoi, Vietnam

## EXPERIENCE

### VinAI Research - Vingroup

NLP Research Resident - Advisor [Dr. Dat Quoc Nguyen](#)

Mar. 2020 – Sep. 2022

Hanoi, Vietnam

- Conducted research, developed, and implemented language models such as **BERT**, **RoBERTa**, **PhoBERT**, and **XML-R** across a diverse range of NLP tasks, aiming to advance Vietnamese NLP research
- Introduced a variety of Vietnamese datasets for different NLP tasks, including Semantic Parsing **ViText2SQL**, NER **COVID-19 NER**, Intent Detection and Slot Filling **PhoATIS**, Disfluency Detection **PhoDisfluency**, **PhoATIS\_Disfluency**

### Vantix Inc. - Vingroup

AI Research Intern

Nov. 2019 – Feb. 2020

Hanoi, Vietnam

- Studied and applied various ML and DL algorithms in signal processing to create commercial systems for detecting human activities. This complete pipeline utilizes signals from smart wristbands to manage hospitality services.

## SELECTED PUBLICATIONS

### From Disfluency Detection to Intent Detection and Slot Filling - InterSpeech

2022

*Mai Hoang Dao, Truong Hung Thinh, Dat Quoc Nguyen*

### Intent Detection and Slot Filling for Vietnamese - InterSpeech

2021

*Mai Hoang Dao\**, *Truong Hung Thinh\**, *Dat Quoc Nguyen*

### COVID-19 named entity recognition for Vietnamese - NAACL-HLT

2021

*Truong Hung Thinh, Mai Hoang Dao, Dat Quoc Nguyen*

### A Pilot Study of Text-to-SQL Semantic Parsing for Vietnamese - EMNLP Findings

2020

*Anh Tuan Nguyen, Mai Hoang Dao, Dat Quoc Nguyen*

## ACADEMIC HONORS AND AWARDS

### The Honda Young Engineer and Scientist's (Y-E-S) Award

2021

*Honda Foundation and Ministry of Science & Technology*

### Vietnam National Award for Outstanding Women Students in STEM

2021

*Ho Chi Minh Communist Youth Union Central Committee, Vietnam*

### The First Prize of the Self-driving Car Programming Contest Digital Zace

2020

*FPT Corporation and PTIT*

### EU Academic Exchange Erasmus+ Project Scholarship

2019

*University of Palermo, Italy*

## TECHNICAL SKILLS

**Languages:** Python (proficient), C/C++, Java

**Libraries:** PyTorch, huggingface, Transformer, Tensorflow, Scikit-Learn, Numpy, etc