


Mai Hoang Dao

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RESEARCH INTEREST

Spoken Language Understanding, Low-resource Language, Multilingual Natural Language Processing

EDUCATION

Posts and Telecommunications Institute of Technology

Aug. 2017 – Jan. 2022

Bachelor of Information Technology, Major in Information System

Hanoi, Vietnam

- GPA: 3.76/4.00 (rank 1st/620, expected to be the valedictorian)
- Advisor: Assoc. Prof. Cuong Pham

University of Palermo

Feb. 2019 – Jul. 2019

Erasmus+ Mobility (extra EU) Exchange Program

Palermo, Italy

- GPA: 27/30

EXPERIENCE

VinAI Research - *website: www.vinai.io*

March 2020 - Present

NLP Research Intern

Hanoi, Vietnam

- Supervisor: Dr. Dat Quoc Nguyen - Senior Research Scientist
- Research topic: Low-resource Language Processing, Spoken Language Understanding
- Preparing, controlling quality, and mining datasets, especially Vietnamese corpora.
- Studying, proposing, implementing models, and conducting experiments in a variety range of natural language processing tasks.
- Analysing experimental results and writing scientific papers.

Vantix Inc. - *website: www.vantixinc.com.vn*

Nov. 2019 - Feb. 2020

AI Research Intern

Hanoi, Vietnam

- Prepared, collected, and analysed signal data from a wristband to detect the wearer's activity.
- Studied and implemented multiple Machine Learning/ Deep Learning algorithms in the field of signal processing to develop commercial human activities detecting systems based on signals from smart wristbands.

PUBLICATIONS

Intent Detection and Slot Filling for Vietnamese

2021

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

Conference of the International Speech Communication Association

COVID-19 named entity recognition for Vietnamese

2021

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

Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies

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

2020

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

Findings of the Conference on Empirical Methods in Natural Language Processing

A Novel Approach for APT Attack Detection based on Combined Deep Learning Model

2020

Cho Do Xuan, *Mai Hoang Dao*

Journal of Neural Computing and Applications (ISI Q1, IF 5.573)

APT Attack Detection Based on Flow Network Analysis Techniques Using Deep Learning

2020

Cho Do Xuan, *Mai Hoang Dao*, *Hoa Dinh Nguyen*

Journal of Intelligent & Fuzzy Systems 2020 (ISI Q2, IF 1.85)

VinAI at ChEMU shared task 1: An accurate system for named entity recognition in chemical reactions from patents	2020
<i>Mai Hoang Dao, Dat Quoc Nguyen</i>	
Working Notes of Conference and Labs of the Evaluation Forum	
WNUT-2020 Task 2: Identification of Informative COVID-19 English Tweet	2020
<i>Dat Quoc Nguyen[*], Thanh Vu[*], Afshin Rahimi, Mai Hoang Dao, Linh The Nguyen, and Long Doan</i>	
Workshop on Noisy User-generated Text	
An Extended Overview of the CLEF 2020 ChEMU Lab: Information Extraction of Chemical Reactions from Patents	2020
<i>Jiayuan He, Dat Quoc Nguyen, Saber A. Akhondi, Christian Druckenbrodt, Mai Hoang Dao and others</i>	
Working Notes of Conference and Labs of the Evaluation Forum	

HONORS AND AWARDS

The Semester Excellence Scholarship	2017 - 2021
<i>Department of Information Technology, PTIT</i>	
Each semester top 2% of students with greatest academic performance are awarded.	
The Third Prize of the National Scientific Research Student Award	2020
<i>Ministry of Education and Training, Vietnam</i>	
Annual national award for outstanding research projects among nationwide students.	
Panasonic Scholarships for Excellent Student	2020
<i>Panasonic Vietnam</i>	
The First Prize of the Self-driving Car Programming Contest Digital Zace	2020
<i>Posts and Telecommunications Institute of Technology</i>	
My team studied, implemented, ensembled a wide range of computer vision algorithms to develop a simulated self-driving automobile.	
Scholarship for the EU Academic Exchange Erasmus+ Project	2019
<i>University of Palermo, Italy</i>	
1 undergraduate student was selected among over 1500 applicants to study at the University of Palermo, Italy for one semester.	
The Consolation Prize of the Competitive Programming Contest ACM/ICPC	2018
<i>Posts and Telecommunications Institute of Technology</i>	
Our team ranked 10 th over 128 participated teams.	
The Potential Prize of the Competitive Programming Contest ACM/ICPC	2018
<i>Posts and Telecommunications Institute of Technology</i>	
The youngest team has the highest ranking in the contest.	
Scholarships for Students with Excellent National High School Exam Scores	2017
<i>Posts and Telecommunications Institute of Technology</i>	

EXTRACURRICULAR ACTIVITIES

Technical Talk	2021
<i>VinAI NLP Workshop - website: www.vinai.io/NLPworkshop2021</i>	
Presented the work "Intent Detection and Slot Filling for Vietnamese" at VinAI NLP Workshop - the online event which attracted over 2000 views.	
Vice President of Information Technology Club	2019-2020
<i>Posts and Telecommunications Institute of Technology</i>	

CERTIFICATE

IELTS: Overall 7.0, Reading 9.0, Listening 7.0, Writing 6.5, Speaking 6.0