

# Nghia Ngo

*VinAI Research, Hanoi, Vietnam.*

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## RESEARCH INTEREST

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*I am interested in working on problems related to Natural Language Processing and Machine Learning. Specifically, my current main research focuses are cross-domain information extraction and multilingual language understanding.*

## EDUCATION

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**Hanoi University of Science and Technology (HUST)**

**2015 - 2020**

*School of Information Technology and Communication - Global ICT Program*

*Bachelor's Degree*

- Thesis: Unsupervised Domain Adaptation for Event Detection
- Advisor: M.Sc. Linh Ngo

## RESEARCH EXPERIENCE

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**AI Research Resident**

**2019 - Present**

*VinAI Research - website: [www.vinai.io](http://www.vinai.io)*

- Advisor: Asst.Prof. Thien Nguyen
- Research topics: Natural Language Processing
- Skills gained: Information Extraction, Language Modeling, Domain Adaptation, Knowledge Distillation, Meta Learning

**Undergraduate Research Student**

**2017 - 2019**

*Data Science Laboratory (DSLAb), HUST - website: [ds.soict.hust.edu.vn](http://ds.soict.hust.edu.vn)*

- Advisor: M.Sc. Linh Ngo
- Research topics: Topic Modeling
- Skills gained: Fundamental Machine Learning and Deep Learning, Probabilistic Graphical Model, Variational Inference

## PUBLICATIONS

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**Adaptive Self-Paced Unsupervised Domain Adaptation for Event Detection using Meta Learning**

**2022**

*Nghia Ngo, Linh Ngo, Thien Huu Nguyen*

*Submitted to AAAI-2022*

**Unsupervised Domain Adaptation for Event Detection using Domain-specific Adapters**

**2021**

*Nghia Ngo, Duy Phung, Thien Huu Nguyen*

*Proceedings of ACL-IJCNLP 2021 (Findings)*

**Learning to Select Important Context Words for Event Detection**

**2020**

*Nghia Ngo, Tuan Ngo Nguyen, Thien Huu Nguyen*

*Proceedings of the 24th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2020)*

## OTHER ACTIVITIES

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### Robotic - Global Project-Based Learning

2017

- Exchange Program with Japanese Students
- Implementing Voice Recognition and Vision system for Robot

### FPT Digital Race

2018

- Autonomous Racing Competition
- Implementing Road Detection system for Autonomous Car

## LANGUAGES

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**Vietnamese:** *Native*

**English:** *Fluent*

**IELTS:** *7.5 Overall (L: 8.5, R: 9.0, W: 6.5, S: 6.0)*

## TECHNICAL SKILLS

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**Programming Languages:** *Python, C/C++, Java*

**Libraries:** *Pytorch, Tensorflow, Numpy, HuggingFace*

**Developer Tools:** *Git*