

# Khoai X. Pham

Hanoi, Viet Nam

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## Experience

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### TopCV Joint-stock Company

[topcv.vn](http://topcv.vn)

AI ENGINEER

Jan. 2020 - Now

- Building smart systems and modules integrated with existed systems

### NExT++ research center, National University of Singapore

[nextcenter.org](http://nextcenter.org)

RESEARCHER

Jun. 2019 - Aug. 2019

- Building a chatbot for food domain
- Building data analysis service for DietLens

### Finsify Co.,Ltd

[finsify.com](http://finsify.com)

DATA SCIENTIST

Sep. 2017 - Aug. 2018

- Develop data analysis services: bank transactions classification, captcha solver.

### VNG Corporation

[www.vng.com.vn](http://www.vng.com.vn)

RESEARCH SCIENTIST

Aug. 2016 - Apr. 2017

- Develop fraud detection system for Zalo Pay
- Develop Natural Language Understanding in Dialog system for 123Xe Service

### Rich Anchor Technology

[richanchor.com](http://richanchor.com)

DATA MINING & MACHINE LEARNING ENGINEER

Dec. 2015 - Aug. 2016

- Develop recommendation system for Alezaa eBook store
- Develop data analysis services for Money Lover

### FPT Technology Research Institute – FPT University

[ftri.fpt.edu.vn/](http://ftri.fpt.edu.vn/)

TRAINEE

Jan. 2014 - Apr. 2014

- Research about Natural Language Processing in project Building Never-ending language learning (NELL) system for Vietnamese.
- Supervisor: Ph.D. Le Hong Phuong

## Education

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### City University of Hong Kong

[Kowloon, Hong Kong](#)

PH.D. IN COMPUTER SCIENCE

2018 – 2019

- Research topic: Multimodal Dialogue System
- Supervisor: Prof. Chong-Wah Ngo
- Status: Incomplete

### FPT University

[Hanoi, Vietnam](#)

B.S. IN COMPUTER SCIENCE

2011 – 2015

- Capstone Project: Building a Semantic Role Labelling Toolkit for Vietnamese - **9.8**
- GPA: **8.63**

### Nguyen Trai Specialized High School, Hai Duong

[Hai Duong, Vietnam](#)

CLASS: PHYSICS

2008 – 2011

## Honors & Awards

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2015	<b>Third Prize – Rank 10</b> , ACM-ICPC Asian Regional Contest	<i>Hanoi, Vietnam</i>
	<b>Honorable mention – Rank 21</b> , ACM-ICPC Asian Regional Contest	<i>Phuket, Thailand</i>
	<b>First Prize – Rank 16</b> , ACM-ICPC National Content, First round (online)	<i>Vietnam</i>
2014	<b>Honorable mention – Rank 14</b> , ACM-ICPC National Content, Second round	<i>HCM, Vietnam</i>
	<b>Second Prize</b> , Informatics Olympic Contest for Students, Division A	<i>HCM, Vietnam</i>
	<b>Third Prize – Rank 13</b> , ACM-ICPC National Content, First round (online)	<i>Vietnam</i>
2011	<b>Full scholarship</b> , FPT University	<i>Vietnam</i>
	<b>Third Prize</b> , National Contest for gifted students, Subject: Physics	<i>Vietnam</i>

## Publications

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### Building a Spoonerism Detection System for Vietnamese

THAI-HOANG PHAM, XUAN-KHOAI PHAM

2018

- Proceedings of the 32nd Pacific Asia Conference on Language, Information and Computation, Hong Kong, ACL Anthology

### NNVLP: A Neural Network-Based Vietnamese Language Processing Toolkit

THAI-HOANG PHAM, XUAN-KHOAI PHAM, TUAN-ANH NGUYEN, PHUONG LE-HONG

2017

- Proceedings of the 8th International Joint Conference on Natural Language Processing, Taipei, Taiwan, ACL Anthology

### On the Use of Machine Translation-Based Approaches for Vietnamese Diacritic Restoration

THAI-HOANG PHAM, XUAN-KHOAI PHAM, PHUONG LE-HONG

2017

- Proceedings of the 21th International Conference on Asian Language Processing, Singapore

### Building a semantic role labelling system for Vietnamese

THAI-HOANG PHAM, XUAN-KHOAI PHAM, PHUONG LE-HONG

2015

- Proceedings of the 10th International Conference on Digital Information Management, Jeju Islands, South Korea, IEEE

## Skills

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<b>Main</b>	Research, Algorithm & Data Structures, Machine Learning, Natural Language Processing, Computer Vision, Data Mining
<b>Programming</b>	Python
<b>Packages</b>	scikit-learn, pytorch, keras, flair, spacy, gensim, pandas, numpy, ...
<b>Operation Systems</b>	Ubuntu, Windows
<b>Languages</b>	Vietnamese, English

## Extracurricular Activity

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### Math club

*FPT University*

CORE MEMBER

2012 - 2015

### Research club

*FPT University*

FOUNDER & THE 1<sup>st</sup> PRESIDENT

Dec. 2012 - Aug. 2013

### Debate Club

*FPT University*

CORE MEMBER & THE 4<sup>th</sup> PRESIDENT

2012 - 2015

## References

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References are available upon request.