

# Khoai X. Pham

Hanoi, Viet Nam

☎ (+84) 3 9958 0135 | ✉ phamxuankhoai@gmail.com | 🏠 khoaipx.github.io | 📷 khoaipx | 📺 khoaipx93

## Education

### 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

### 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

## Experience

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### 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

## Skills

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**Main** Research, Algorithm & Data Structures

**Programming** Python, C/C++

**Tools** scikit-learn, pytorch, keras, flair, spacy, gensim, pandas, numpy, ...

**Operation Systems** Ubuntu, Windows

**Languages** Vietnamese, English

## Extracurricular Activity

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### Math club

[FPT University](#)

CORE MEMBER

2012 - 2015

### Research club

[FPT University](#)

FOUNDER & THE FIRST PRESIDENT

Dec. 2012 - Aug. 2013

### Debate Club

[FPT University](#)

CORE MEMBER

2012 - 2015

## References

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References are available upon request.