

Khoai X. Pham

Kowloon, Hong Kong

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Education

City University of Hong Kong

Kowloon, Hong Kong

PH.D. IN COMPUTER SCIENCE

2018 – Present

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

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

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

NExT++ research center, National University of Singapore

nextcenter.org

RESEARCHER

Jun. 2019 - Aug. 2019

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

Finsify Co.,Ltd

finsify.com

DATA SCIENTIST

Sep. 2017 - Aug. 2018

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

VNG Corporation

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

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/

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

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

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

References are available upon request.