# Nghi D. Q. **Bui**

PH.D. CANDIDATE IN INFORMATION SYSTEMS

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*"Be the change that you want to see in the world."*

## **Edu**cation

**Singapore Management University**                                          *Singapore*

PH.D. IN INFORMATION SYSTEMS                                               *2016 - 2020*

**Ho Chi Minh University of Natural Sciences**                    *Ho Chi Minh, Viet Nam*

BACHELOR IN COMPUTER SCIENCE                                            *2009 - 2013*

• Graduated from Advanced Program in Computer Science, which is an honor program

## **Skills**

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| **Machine Learning** | Tensorflow, Pytorch, Sklearn |
| **Programming** | Python, Node.JS, C/C++, Scala, Java |
| **Database** | MySQL, PostgreSQL, MongoDB, Redis, ElasticSearch |

## **Exp**erience

**701Search**                                                    *Ho Chi Minh City, Viet Nam*

SENIOR SOFTWARE ENGINEER                                        *March 2015 - July 2016*

• Worked as a backend engineer to develop large-scale distributed systems that can handle millions of user requests per day for an e-commerce website.

**Atlassian**                                                    *Ho Chi Minh City, Viet Nam*

SOFTWARE ENGINEER                                              *January 2014 - March 2015*

• Worked as a software engineer in JIRA team to develop useful libraries and features for internal usage.

## **Pub**lications

**SAR: Learning Cross-Language API Mappings with Little Knowledge** , by Nghi D. Q. Bui, Yijun Yu, Lingxiao Jiang , accepted at the IEEE/ACM 27th ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE), Research Track, Tallinn, Estonia, 2019 (To Appear)

**Towards Zero Knowledge Learning for Cross-Language API Mappings** , by Nghi D. Q. BUI, in Proceedings of the IEEE/ACM 41th International Conference on Software Engineering (ICSE): ACM Student Research Competition Track (SRC), Montreal, Canada, 2019

**Bilateral Dependency Neural Networks for Cross-Language Algorithm Classification**, by Nghi D. Q. Bui, Yijun Yu, Lingxiao Jiang, in the 26th edition of the IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER), Research Track, Zhejiang University in Hangzhou, February 24-27, 2019

**Hierarchical Learning of Cross-Language Mappings through Distributed Vector Representations for Code** , by Nghi D. Q. Bui, Lingxiao JIANG, in Proceedings of the IEEE/ACM 40th International Conference on Software Engineering (ICSE): New Ideas and Emerging Technologies Results Track ( NIER), Gothenburg, Sweden, 2018 - (ACM SIGSOFT Distinguished paper award)

**Cross-Language Learning for Program Classification Using Bilateral Tree-Based Convolutional Neural Networks** , by Nghi D. Q. Bui, Lingxiao JIANG, and Yijun YU . In the proceedings of the 32nd AAAI Conference on Artificial Intelligence (AAAI) Workshop on NLP for Software Engineering, New Orleans, Lousiana, USA, 2018.

## **Hon**ors & Awards

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| 2019 | **Bronze Medal,** ACM Student Research Competition, ICSE 2019 | *Montreal, Canada* |
| 2019 | **ACM SIGSOFT Travel Grant Award,** ICSE 2019 | *Montreal, Canada* |
| 2018 | **ACM SIGSOFT Distinguished Paper Award,** ICSE 2018 | *Gothenburg, Sweden* |
| 2016 | **Ph.D. Scholarship from the Ministry of Education,** Ph.D Program | *Singapore* |