

Bui Duy Quoc Nghi

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Research Interests

My interests lie at the intersection of Software Mining, Natural Language Processing, and Machine Learning. I am interested in employing the power of Machine Learning to software engineering and programming languages to solve challenging software engineering problem.

Education

Doctor of Philosophy (Ph.D) in Information Systems

8/2016 — 8/2020 (expectation)

Singapore Management University

Advanced Program in Computer Science

9/2009 — 10/2013

Ho Chi Minh University of Science - Viet Nam

Work experience

701Search - Viet Nam

3/2015 — 5/2016

Software Engineer

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 - Viet Nam

1/2014 — 2/2015

Software Engineer

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

Kwangwoon National University - Korea

8/2013 — 1/2014

Research Assistant

Got a research scholarship to work as a research assistant at Distributed Computing lab. The topic is about the applications of Network functions virtualization (NFV) to virtualize entire classes of network node functions.

Technical Skills

Languages: Python, Java, Scala, C/C++, C#, Javascript.

Storage: MySQL, PostgreSQL, MongoDB, Redis, ElasticSearch.

Big Data: Hadoop, Spark

Machine learning: Tensorflow, Pytorch, Sklearn

Publications

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, Louisiana, USA, 2018.

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: New Ideas and Emerging Technologies Results Track (ICSE-NIER), Gothenburg, Sweden, 2018 - (*Distinguished paper award*)

Awards

Top 10% students for the university entrance examination
Korean National Research Scholarship
Full Ph.D Scholarship from Ministry of Education Singapore
ACM Sigsoft Distinguished Paper Award 2018

References

Website: <https://bdqnghi.github.io>
Linkedin: <https://www.linkedin.com/in/quocnghi>
Github: <https://github.com/bdqnghi>