

## Contact Information

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## Education

<b>2013-2015</b>	<b>Charles University in Prague</b> M.S, Computational Linguistics, Computer Science <ul style="list-style-type: none"> <li>Graduate with honors</li> <li>GPA: 1.08 (<i>excellent</i> - equivalent to 3.92 in the US 4.0 scale)</li> <li>Thesis: Pivoting Vietnamese Machine Translation System</li> </ul>	Czech Republic
<b>2008-2012</b>	<b>University of Engineering and Technology, VNU</b> B.Sc, Computer Science, Honors Program <ul style="list-style-type: none"> <li>GPA: 3.33/4.00 (<i>Distinction</i>)</li> <li>Thesis: An Ontology-based Vietnamese QA System for Academic Regulation</li> </ul>	Vietnam

## Work/Research Experience

<b>2015-present</b>	<b>National University of Singapore, Singapore</b> <i>Research Assistant</i> <ul style="list-style-type: none"> <li>Topic: Grammatical Error Correction</li> <li>Implementation systems to automatically correct student's writing.</li> </ul>
<b>2014</b>	<b>Institute of Formal and Applied Linguistics, MFF, UK</b> <i>Intern</i> <ul style="list-style-type: none"> <li>Implementation of Triangulation tools for Moses (Statistical Machine Translation - SMT)</li> <li>Designing SMT homeworks on CodEx</li> <li>Advisor: Ondřej Bojar (<a href="mailto:ondrej.bojar@mff.cuni.cz">ondrej.bojar@mff.cuni.cz</a>)</li> </ul>
<b>2013-2014</b>	<b>TextAn - MFF automatic analysis of Police documents, Prague</b> <i>Developer - Software Project - MFF</i> <ul style="list-style-type: none"> <li>GitHub: <a href="https://github.com/PreXident/TextAn">https://github.com/PreXident/TextAn</a></li> <li>Implementing Automatic Object Assigner: mapping natural entity to database object</li> <li>Implementing ranking scheme</li> <li>Integrating Machine Learning Classifier in Java Project</li> </ul>
<b>2010-2013</b>	<b>Human Machine Interaction Laboratory , UET/Coltech, VNU</b> <i>Research Assistant</i> In cooperation with Japan Advanced Institute of Science and Technology <ul style="list-style-type: none"> <li><b>Developing Question Answering Systems</b> (3 separated projects)</li> <li>Designing database in MySQL, Ontology OWL, text file</li> <li>Designing web interface for QA system</li> <li>Hand-crafting rules for Vietnamese questions in multiple domains</li> <li>Implementing Bipartite graph matching</li> <li><b>Developing Information Retrieval System</b></li> <li>Crawling data from forums and technical websites</li> <li>Integrating cluster tool and search tools into project</li> </ul> <i>Teaching Assistant</i> <ul style="list-style-type: none"> <li>Teaching Fundamental Informatics: C/C++ Programming</li> <li>Teaching Mathematics Team for the 21<sup>st</sup> Vietnam Mathematics Olympiad for Undergraduates, 2013.</li> </ul>
<b>2011</b>	<b>Tinh Van Telecommunication Company, Hanoi, Vietnam</b> <i>Industrial Training - Part-time programmer</i>

- Developing mobile interface for Xalo Search Engine

#### Presentation Club, UET, VNU

##### *Vice President*

- Organizing meetings and events

#### Research Interests

*Natural language processing, particularly Statistical Machine Translation, Information Retrieval and Opinion Mining*

#### Background/Skills

- Background: Mathematics, Computational Linguistics, Computer Science.
- Programming Languages: Python, Perl, Shell/Bash Script, Java, C/C++.
- OS: Linux and Windows
- Tools: Git, Svn, MySQL, Lucene, Carrot<sup>2</sup>, Moses, Eman
- Others: Regular Expression, Dynamic Programming, Object-oriented Programming, CSS/HTML/JSP.
- Favourite editor: vim

#### Language Proficiency

- Vietnamese - native
- English - fluent
- Czech - basic

#### Awards & Honors

2014 Excellence Scholarship for top Students at Faculty of Mathematics and Physics, Charles University in Prague.  
 2013 Fully-funded master scholarship at Charles University in Prague.  
 2010-2012 1 First prize and 2 Second prizes at Vietnamese National Mathematical Olympiad for Undergraduates.  
 Several Young Symbolization awards at University of Engineering and Technology.  
 Government Fellowship for excellent students in the ISP program.  
 Excellent Academic Performance at UET/Coltech.  
 Rank 1<sup>st</sup> at the University Entrance Exam of UET/Coltech, VNU.

#### Publications

##### Conference papers

2. Tung Xuan Vu, Minh Le Nguyen, Duc Tam Hoang. **Semantic Parsing for Vietnamese Question Answering System**. The 7th international conference on Knowledge and Systems Engineering, Vietnam, 2015. (submitted)
2. Duc Tam Hoang, Minh Le Nguyen, Son Bao Pham. **L2S: Transforming natural language questions to SQL queries**. The 7th international conference on Knowledge and Systems Engineering, Vietnam, 2015. (submitted)
1. Dat Tien Nguyen, Duc Tam Hoang, Son Bao Pham. **A Vietnamese Natural Language Interface to Database**[PDF]. Sixth IEEE International Conference on Semantic Computing September 19-21, 2012 Palermo, Italy

##### Others

1. Duc Tam Hoang, Aleš Tamchyna, Ondřej Bojar. **MultiMT: from any source via many pivots into a single target language**. MT Marathon 2014 Project, Trento, Italy.

## References

*upon request*

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