

Contact Information

Name Duc Tam Hoang (or simply Tam Hoang)
 Mathematics and Physics Faculty, Charles University in Prague
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Education

2013-2015	Charles University in Prague M.S, Computational Linguistics, Computer Science <ul style="list-style-type: none"> Graduate with honors GPA: 1.07 (<i>excellent</i> - equivalent to 3.9 in the US 4.0 scale) Thesis: Pivoting Vietnamese Machine Translation System 	Czech Republic
2008-2012	University of Engineering and Technology, VNU B.Sc, Computer Science, Honors Program <ul style="list-style-type: none"> GPA: 3.33/4.00 (<i>Distinction</i>) Thesis: An Ontology-based Vietnamese QA System for Academic Regulation 	Vietnam

Work/Research Experience

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

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, Carrot², Moses (inc. eman/ems)
- 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 1st at the University Entrance Exam of UET/Coltech, VNU.

Publications

Conference papers

4. Duc Tam Hoang, Ondřej Bojar. **TmTriangulate: A Tool for Phrase-Table Triangulation**. The Prague Bulletin of Mathematical Linguistics, 2015.
3. 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.
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.
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

References

upon request

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