Contact Information

Name	**Duc Tam Hoang** (or simply **Tam Hoang**)
	Computational Linguistics Lab, National University of Singapore
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Education

2013-2015   **Charles University in Prague**   Czech Republic

M.S, Computational Linguistics, Computer Science

- Graduate with honors
- GPA: 1.07 (*excellent* - equivalent to 3.9 in the US 4.0 scale)
- Thesis: Pivoting Vietnamese Machine Translation System

2008-2012   **University of Engineering and Technology, VNU**   Vietnam

B.Sc, Computer Science (Honors Program)

- GPA: 3.33/4.00 (*Distinction*)
- Thesis: An Ontology-based Vietnamese QA System for Academic Regulation

Work/Research Experience

2015-present   **National University of Singapore**, Singapore

Research Assistant

- Topic: Grammatical Error Correction
- Task: Read papers, propose solutions, program systems and write reports/papers.

2014   **Institute of Formal and Applied Linguistics**, MFF, UK

Intern

- Topic: Statistical Machine Translation
- Task 1: Implement triangulation tools for Moses (Statistical Machine Translation - SMT)
- Task 2: Design SMT homeworks on CodEx

2013-2014   **TextAn - MFF automatic analysis of Police documents**, Prague

Developer - Software Project - MFF: https://github.com/PreXident/TextAn

- Topic: Automatic analysis of human report.
- Task: Implement Automatic Object Assigner: mapping natural entity to database object
- Sub-task: Implemente a ranking scheme
- Sub-task: Integrate Machine Learning Classifier into a Java Project

2010-2013   **Human Machine Interaction Laboratory** , UET/Coltech, VNU

Research Assistant   In cooperation with Japan Advanced Institute of Science and Technology

- *Topic 1: Question Answering Systems* (3 separated projects)
- Task 1: Design database in MySQL, Ontology OWL from text file
- Task 2: Design web interface for QA system
- Task 3: Write rules/patterns for Vietnamese questions (in multiple domains)
- Task 4: Implement maximum graph matching for tokens and objects.
- *Topic 2: Information Retrieval System*
- Task 1: Crawl data from forums and teachnical websites
- Task 2: Integrate cluster tool and search tools into project

Teaching Assistant

- Teaching Fundamental Informatics: C/C++ Programming
- Teaching Mathematics Team for the 21st Vietnam Mathematics Olympiad for Undergraduates, 2013.

2011   **Presentation Club**, UET, VNU

Organizer of club's meetings and events

Research Interests

I am interested in topics of Computational Linguistics

Background/Skills

- Background: Mathematics, Computational Linguistics, Computer Science.
- Programming Languages: **Python**, Perl, Shell/Bash Script, Java, C/C++.
- Tools: Git, Svn, MySQL, Lucene, Carrot^2, 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 **1**st 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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