

**DANG-HUNG PHAN*****PhD student -Iowa State University  
(2015-2020)******\*Latest update: March, 5<sup>th</sup>, 2017.***

I am second year student in Dr. Hridesh Rajan's laboratory in Computer Science Department, Iowa State University. My research focuses on apply Statistical Learning for Software Engineering problems. I mined the context of Software Corpuses, including program specifications and source code by advantages of Machine Translation system, to solved the Specification Inference, Type Inference and Code-to-Code translation. The publications related to these work is shown in [9].

**1. PERSONAL DETAILS**

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<b>Full Name</b>	Dang-Hung PHAN ("Phan Đăng Hưng" in Vietnamese)
<b>First Name</b>	Hung
<b>Middle Name</b>	Dang
<b>Last Name</b>	Phan
<b>Current job</b>	PhD student at Computer Science Department, Iowa State University.
<b>Advisor(s)</b>	<ul style="list-style-type: none"><li>- Dr. Hridesh Rajan (<a href="http://web.cs.iastate.edu/~hridesh/">http://web.cs.iastate.edu/~hridesh/</a>)</li><li>- Dr. Tien N. Nguyen (<a href="http://www.utdallas.edu/~tien.n.nguyen/">http://www.utdallas.edu/~tien.n.nguyen/</a>)</li></ul>
<b>Passport ID</b>	B7560637
<b>Date of Birth</b>	December 30, 1989
<b>Gender</b>	Male
<b>Born Place</b>	Hanoi, Viet Nam
<b>Home Address</b>	Number 12, 908 Douglas avenue, Ames Iowa 50010, USA.
<b>Office address</b>	115-2 Atanasoff Hall, Iowa State University, Ames, IA, 50011
<b>Education level</b>	Bachelor degree (2012).
<b>Language</b>	<ul style="list-style-type: none"><li>- Vietnamese (native language)</li><li>- English (Get TOEFL score of 89, taken at November, 2013).</li></ul>

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## 2. OBJECTIVE

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- To be a good IT programmer.
- To be a good researcher.
- Try to learning as much as possible and doing my best in order to complete my task.
- To have good opportunities to get promotion in my job.
- Develop my skills with development of company, I want to prove myself in many other skills.

## 3. EDUCATION

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Year (From-to)	Studying
8/2016 – 8/2020	PhD student at Computer Science Department, Iowa State University.
7/2015- 7/2016	PhD student at Electrical and Computer Engineering Department, Iowa State University.
2007 – 2012	Studied at School Of Information & Communication Technology (SOICT)- Hanoi University Of Science And Technology (HUST). Class: Software Engineering- course 52 (SE C52)
2004 – 2007	Studied at Luong The Vinh High School- Cau Giay District, Ha Noi, Viet Nam.

## 4. FOREIGN LANGUAGE CERTIFICATES

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Month/ Year (From-to)	Certificates
11/2013	<b>TOEFL iBT Certificate:</b> score 89 (Reading 22, Listening 21, Speaking 22, Writing 25)

## 5. INFORMATION TECHNOLOGY (IT) PROGRAMING SKILLS

Topic	Related Programming languages/IT platforms
Web	HTML, PHP, JSP,ASP.NET
Database	SQL Server, Mysql, Ontology
Programming	Pascal, C/C++, Java, C#, Python
Operating System	Window, Linux- Ubuntu
Other	Photoshop, 3DS Max, Ms. Office, VietTagger, JVnTextPro

## 6. IT PROJECTS PARTICIPATED

Month/ year	Project; Position: Programming languages
5/2015-5-2017	Research Assistant at Iowa State University. <b>IT developer: Java, C#.</b>
8/2012-4/2014	Took part in Vietnam State Project “ <b>The two-way machine translation system with domain oriented</b> ”. <b>IT developer: Java, ASP.NET, C#, Python, Ubuntu Linux Server, Windows Server.</b>
7/2012-3/2013	IT developer of the “Vietnamese News Reading Assistant” (ViNAS) system; <b>IT developer: C#, ASP.NET.</b>
1/2012-7/2012	IT developer of the Semantic Innovation Group (SIG) research team. Guided by Dr. Cao Tuan Dung (SOICT- HUST); <b>IT developer: Java, JSF Web Application.</b>
6/2011-7/2012	Took part in the <b>BKProfile</b> project- a knowledge question-answering system for Vietnamese (SOICT- HUST); <b>IT developer: PHP, Zend framework.</b>
6/2009-7/2011	Work as a leader and project manager of IT defenses at SOICT; <b>IT developer: C, Java, C#, PHP, ASP.NET.</b>
5-2010-8/2010	Worked at the Sunnet media company - Number 72, Truong Chinh Street, Ha Noi City; <b>IT developer: Java, PHP.</b>

## 7. IT RESEARCHES

Topic	Related Programming languages/IT platforms
Speech processing	Text To Speech, Automatic Speech Recognition
Semantic web	Ontology building, information extractor, SPARQL, Jena
Machine learning	SVM, Decision Tree, Bayesian, Neural Network
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## 8. RESEARCH EXPERIENCES

Month/ year	Project; Research area
7/2014-6/ 2015	Works as researcher in Samsung Mobile R&D center- Research area: Text mining, pattern recognition.
2/2012- 6/2014	Works as a researcher in Computer Science at the Institute of Information Technology (IOIT), Vietnam Academy Science and Technology of Vietnam - Research area; Speech processing.
1/2012- 7/2012	Research and develop the <b>VHO</b> ontology application for history

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field in the Semantic Innovation Group (SIG) research team. Guided by Dr. Cao Tuan Dung (SOICT- HUST).

## 9. PERSONAL ACHIEVEMENT

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Month/ year	Achievements: Details
5/2017	<b>International Research Publication: Statistical Learning for Inference between Implementations and Documentation.</b> Authors: <b>Hung Phan</b> , Hoan Nguyen, Tien Nguyen and Hridesh Rajan. New Ideas and Emerging Results at ICSE 2017 ( <a href="http://icse2017.gatech.edu/">http://icse2017.gatech.edu/</a> )
5/2017	<b>International Research Publication: Statistical Migration of API Usages.</b> Authors: <b>Hung Phan</b> , Anh Nguyen, Trong Nguyen and Tien Nguyen. Demonstration track at ICSE 2017 ( <a href="http://icse2017.gatech.edu/">http://icse2017.gatech.edu/</a> )
5/2017	<b>International Research Publication: Exploring API Embedding for API Usages and Applications.</b> Authors: Trong Nguyen, Anh Nguyen, <b>Hung Phan</b> and Tien Nguyen. Research paper at ICSE 2017 ( <a href="http://icse2017.gatech.edu/">http://icse2017.gatech.edu/</a> )
12/2014	<b>International Research Publication: Applying Skip-gram word estimation and SVM-based classification for opinion mining Vietnamese food places text reviews;</b> Authors: <b>Hung Phan</b> and Tuan-Dung Cao; Full paper of the Fifth international symposium on information and communication technology (SOICT-2014); URL: <a href="http://www.soict.hust.edu.vn/~soict2014/index.php">http://www.soict.hust.edu.vn/~soict2014/index.php</a>
04/2014	<b>International Research Publication: Improving prosodic information for HMM-based synthesized Vietnamese Aviation announcements;</b> Authors: Quan Tran Lam, Dinh Anh Tuan, <b>Hung Phan Dang</b> ; Full paper of the 1 <sup>st</sup> NAFOSTED International Conference (NAFOSTED-2014); URL: <a href="http://nafosted.gov.vn/nics2014/">http://nafosted.gov.vn/nics2014/</a>
12/2013	<b>International Research Publication: Context-aware aviation search engine;</b> Authors: Quan Tran Lam, <b>Hung Phan Dang</b> ; Full paper of the 5 <sup>th</sup> International Conference of Soft Computing and Pattern Recognition (SOCPAR-2013); URL:

- <http://www.mirlabs.org/socpar13/>
- 11/2013 **International Research Publication: A study of applying Vietnamese voice interaction for a context-aware aviation search engine;** Authors: Quan Tran Lam, **Hung Phan Dang**; Poster paper of the 10<sup>th</sup> IEEE RIVF International Conference on Computing and Communication Technologies (RIVF-2013); URL: <http://uet.vnu.edu.vn/rivf2013/>
- 03/2013 **International Research Publication: The VHO Project: A Semantic Solution for Vietnamese History Search System;** Authors: **Dang-Hung PHAN** and Tuan-Dung CAO; Full paper of the 5<sup>th</sup> Asian Conference on Intelligent Information and Database System (ACIIDS-2013) International Conference; URL: [http://link.springer.com/chapter/10.1007%2F978-3-642-36546-1\\_32](http://link.springer.com/chapter/10.1007%2F978-3-642-36546-1_32)  
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- 11/2012 **National award:** Take part in the SYCO group to build ViNAS system, achieve the second prize for potential software of Vietnam Talent Award season 2012.
- 06/2012 **Bachelor thesis:** Complete the Bachelor thesis with very good degree at HUST.
- 2012 **Scholarship** to encourage academic at school in the 2011-2012 school year for students with good academic at the HUST
- 2011 **Scholarship** to encourage academic at school in the 2010-2011 school year for students with good academic at the HUST.
- 2010 **Certificate of merit** of the HUST for students who join the “Support for the Exam Season” campaign in season 2010
- 2010 **Scholarship** to encourage academic at school in the 2009-2010 school year for students with good academic at the HUST
- 2009 **Certificates of merit** of HUST for students who positively take part in youth volunteers campaigns at the SOICT in the 2008-2009 school year
- 2009 **Scholarship** to encourage academic at school in the 2008-2009 school year for students with good academic at the HUST.
- 2008 **Scholarship** to encourage academic at school in the 2007-2008 school year for students with good academic at the HUST.

## **10. BEHAVIOURS**

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- Friendly, sociable.
- Creative.
- Responsibilities.

## **11. ADDITIONAL SKILLS**

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- Team work.
- Communicate.
- Creativity.
- Time management.
- Overview, planning, problem analysis for the project.
- Organization and personnel management for the project.