CV •Hoai-Tuong NGUYEN (Updated: January 2012)

Personal Information

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Education and Formation

October 2008 - January 2012 Ph.D., Computer Sciences, Polytech'Nantes, France
September 2007 - June 2008 M.Sc., Computer Sciences, Polytech'Nantes, France
September 2002 - September 2007 B.Eng., Computer Sciences, Cantho University, Vietnam

January 2012 Online course, "Probabilistic Graphical Models", Stanford University, USA

6 January 2011 Short-term training, "Permis d'entreprendre", IAE Nantes, France

June 27, 2010 - July 2, 2010 Doctoriales, "Entreprise creation for innovant projects", certified by College of Pays-de-la-Loire, Sablé-sur-Sarthe, France

February 1-5, 2010 Winter school, "Statistical learning and Data Mining", certified by EGC, Hammamet, Tunisia

December 6, 2006 Short-term training, "DB2 and WebSphere Application Server", certified by IBM, Cantho University, Vietnam

November 2006 - January 2007 Short-term training, "Java 2 Enterprise Edition", certified by NIIT-India, Cantho Software Park, Vietnam

Reseach interests

Data Mining: Semantic web, Bayesian networks, Graph mining, Set-based methods

Bioinformatics: Gene regulatory networks, Meta-analysis, Biostatistics

Languages spoken

English (Operational), **French** (Proficient), **Vietnamese** (Native)

Professional experiences

October 2008 - October 2011 R&D, Bioinformatics, Polytech'Nantes, France

June 2009 - August 2009 Data Analytist, Search Engine, DoYouBuzz, France

February 2007 - October 2008 R&D, Web technologies, Cantho University, Vietnam

September 2005 - February 2006 Technician, Cantho University, Vietnam

April 2004 - July 2004 Consultant, Singapore International Training Consulting, Vietnam

February 2008 - June 2008 Master internship, Polytech'Nantes, France

September 2006 - March 2007 Engineer internship, Cantho University, Vietnam

November 2005 - February 2006 Technical support internship, Taydo Electronics, Vietnam

July 2004 - August 2004 Language/civilization internship, University of Toulouse 2, France

Organization experiences and Leadership

August 2010 - now Founder and Leader of OVSED(http://vietsciexdir.net/) Project

November 2008 - now Founder and Leader of Toubizou(http://tubizou.net/) Freelancer Group

December 2010 - October 2011 Representative of students in Direction committee of Information Technology and Communication of the University of Nantes.

2009 - 2010 President of the jury and the organization committee of 1st and 2nd Multimedia Contest on the theme of Vietnam (http://goo.gl/osJhw)

September 2009 - September 2010 President of Association of Vietnamese Students in Nantes - AEVN(http://goo.gl/GzNkB)

May 10-11,2010 Organization committee of JFRB(http://goo.gl/F3yf5)

April 29, 2010 Organization committee of JDOC(http://edstim.univ-nantes.fr/jdoc2010/)

June 6-9, 2009 Organization committee of JOBIM(http://jobim2009.fr/)

Computer skills

Operating systems: Linux, Windows, MAC

Database Servers: SQL Server, DB2, Oracle, MySQL, PostgreSQL

Knowledge Discovery and Integration Tools: Weka, Tanaga, Protégé, Jena, WebSphere

Programming languages: C++, Java, PHP, HTML/AJAX/CSS, S/R, Matlab

Tools and demos

Tool 1: ProBT-SLP: Structure Learning Package for ProBT©: https://sites.google.com/site/probtslp

Tool 2: OneFB+: Google Plus One Button for Facebook - Chrome Extension: http://goo.gl/ygQCx

Demo 1: Research Profiles Search Engine: http://vietsciexdir.net/directory.php

Demo 2: Search Engine with Sphinx, Visualization, Statistics: http://vietsciexdir.net/nguyen-ht/DYS/

Demo 3: Web Design: http://tubizou.net/anthai/vn/

Affiliations

IEEE Member (2011-now), VCL (Vietnam-Cambodia-Laos) Bussiness Club (2011-now), ACM Student Academic Initiatives (2010-2011), IBM Academic Initiative (2006-2007)

Honors and Awards

2011 "Star of January"Medal - Union of Vietnamese Students, Vietnam

2008-2011 BIL Doctoral Fellowship - BioInformatique Ligerienne Project, France

2007-2008 AUF (Agence Universitaire de la Francophonie) Master Fellowship

2002-2007 AUF Engineer Fellowship - Agence Universitaire de la Francophonie

2004-2006 Distinction of Vietnam Youth Federation of Cantho University

2005 Idea prize in EUREKA contest on the Hi-tech for Life of Cantho University

July 2004 AUF Scholarship for Summer School in France

PUBLICATIONS

Hoai-Tuong Nguyen, Philippe Leray and Gerard Ramstein. Multiple hypothesis testing and quasi essential graph for comparing two sets of Bayesian networks. *In proceedings of the 15th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES)*, September, 12-14, 2011, Kaiserslautern, Germany. Lecture Notes in Artificial Intelligence LNAI, Springer-Verlag. *Link: http://www.springerlink.com/content/3x0h730x75734365/*

Hoai-Tuong Nguyen, Philippe Leray and Gerard Ramstein. Summarizing and visualizing a set of Bayesian networks with quasi essential graphs. *In proceedings of the 14th International Conference of the Applied Stochastic Models and Data Analysis (ASMDA)*, June, 7-10, 2011, Roma, Italy. *Link: http://hal.archives-ouvertes.fr/hal-00645005/*

Hoai-Tuong Nguyen, Gerard Ramstein, Philippe Leray and Yannick Jacques. Differential study of the cytokine network in the immune system by the evolutionary algorithm based on the bayesian network. *In proceedings of the 2nd Asian Conference on Intelligent Information and Database Systems (ACIIDS)*, Doctoral Colloquium, March, 24-26, 2010, Hue City, Vietnam. *Link: http://hal.archives-ouvertes.fr/hal-00656723/*

Hoai-Tuong Nguyen, Philippe Leray and Gerard Ramstein. Etude différentielle de réseaux de régulation génétiques en pathologies cancéreuses et réponses thérapeutiques: une approche évolutionnaire basée sur les réseaux bayésiens. *In proceedings of JDOC 2010 - Journées des Doctorants de l'Ecole doctorale STIM*, April 2010, Nantes, France. *Link: Article: http://goo.gl/u8WsT, Poster: http://goo.gl/ztyD3*

Hoai-Tuong Nguyen, Gerard Ramstein, Philipe Leray and Yannick Jacques. Reconstruction of gene regulation networks from microarray data by Bayesian networks. *In proceedings of MODGRAPH - Journées Ouvertes en Biologie, Informatique et Mathématiques (JOBIM)*, June, 9-11, 2009, Nantes, France. *Link: http://hal.univ-nantes.fr/hal-00582682/*

Hoai-Tuong Nguyen. Multiple hypothesis testing on edges of graph: a case study of Bayesian networks. *Technical report*. Polytech'Nantes, France. *Link: http://hal.archives-ouvertes.fr/hal-00657166/*

Hoai-Tuong Nguyen, Ramstein Gerard, Leray Philippe. On Evaluation of a Population of Bayesian Networks. *Technical report*. Polytech'Nantes, France. *Link: http://hal.archives-ouvertes.fr/hal-00657482/*

Hoai-Tuong Nguyen. Bayesian networks and set-based methods for differential study of gene regulatory networks. *PhD. thesis*, Polytech'Nantes, 2012, Nantes, France. **Advisors:** *Gérard RAMSTEIN, Philippe LERAY*. *Link: http://vietsciexdir.net/nguyen-ht/PhD-Thesis.pdf*

Hoai-Tuong Nguyen. Inference of gene interaction networks from DNA microarray. Application to meta-analysis. *Master thesis*, Polytech'Nantes, 2008, Nantes, France. **Advisor:** *Gérard RAMSTEIN* *Link: http://vietsciexdir.net/nguyen-ht/Master-Thesis.pdf*

Hoai-Tuong Nguyen, Hoang-Vinh Vo. Materials ressources management based on semantic web and oriented to end-users. *B.Eng. thesis*, University of Cantho, 2007, Cantho, Vietnam. **Advisor:** *Quyet Thang LE*