

WORKING EXPERIENCE

- 04/2011 – 03/2011 **Postdoctoral Research Fellow**
“Creating Innovation Researchers” Program
Japan Advanced Institute of Science and Technology
- 01/2008 – 12/2010 **GRP Research Fellow**
Center for Highly Dependable Embedded Systems Technology
School of Information Science
Japan Advanced Institute of Science and Technology
- 09/2005 – 12/2007 **Researcher and Teaching Assistant**
Knowledge Technology and Information Security Laboratory
College of Technology, Vietnam National University, Hanoi
- 07/2005 – 12/2006 **Developer** (Part-time)
Hanoi Technology Joint-stock Company (HanoiTJSC)

PUBLICATIONS

- Viet Cuong NGUYEN**, Le Minh NGUYEN, and Akira SHIMAZU. Learning to Generate a Table-of-Contents with Supportive Knowledge. *IEICE Transactions on Information and Systems*, Vol. E94-D, No. 3, pages 423–431, Mar. 2011.
- Viet Cuong Nguyen**, Le Minh Nguyen, and Akira Shimazu. Improving Text Segmentation with Non-systematic Semantic Relation. *Computational Linguistics and Intelligent Text Processing (CICLing 2011)*, Lecture Notes in Computer Science, Volume 6608/2011, pages 304–315, Springer Berlin / Heidelberg, Feb. 2011. (*The best software award*)
- Le Minh Nguyen, Bach Ngo Xuan, **Cuong Nguyen Viet**, Minh Pham Quang Nhat, and Akira Shimazu. A Semi-supervised Learning Method for Vietnamese Part-of-Speech Tagging. In *Proceedings of the Second International Conference on Knowledge and Systems Engineering (KSE 2010)*, pages 141–146, Viet Nam, Oct. 2010.
- Viet Cuong Nguyen**, Le Minh Nguyen, and Akira Shimazu. A Semi-supervised Approach for Generating a Table-of-Contents. In *Proceedings of the 7th International Conference on Recent Advances in Natural Language Processing (RANLP 2009)*, pages 313–318, Bulgaria, Sep. 2009.
- Cuong Viet Nguyen**, Minh Le Nguyen, and Akira Shimazu. A Semi-supervised Model for Table-of-Contents Generation. In *Proceedings of the 11th Conference of the Pacific Association for Computational Linguistics (PAACLING 2009)*, pages 147–152, Japan, Sep. 2009.
- Nguyen Viet Cuong**, Nguyen Thi Thuy Linh, Phan Xuan Hieu, and Ha Quang Thuy. A Maximum Entropy Model for Text Classification. In *Proceedings of the 6th International Conference on Internet Information Retrieval (IRC 2006)*, pages 143–149, Korea, Dec. 2006.
- Nguyen Viet Cuong**, Nguyen Thi Thuy Linh, Phan Xuan Hieu, and Ha Quang Thuy. A Maximum Entropy Approach for Vietnamese Web Documents Classification and Filtering. In *Proceedings of the 8th National Conference on Information Technology*, pages 174–189, Viet Nam, Aug. 2005. (In Vietnamese)

RESEARCH PROJECTS

- 01/2009 – 12/2009 Member of the project “Building Basic Resources and Tools for Vietnamese Language and Speech Processing” managed by Ministry of Science and Technology, Viet Nam.
- 01/2007 – 12/2007 Co-leader of the project “Vietnamese Text Summarization: Sentence Reduction and Semantic Relation Discovery” managed by College of Technology, Vietnam National University, Hanoi.
- 01/2007 – 12/2007 Member of the project “VNSEN: A Vietnamese Search Engine” of Knowledge Technology and Information Security Laboratory, College of Technology, Vietnam National University, Hanoi.
- 01/2006 – 12/2007 Member of the project “Research and Development of a Content Filtering System for Management and Security Ensuring of Information from Internet” managed by Ministry of Science and Technology, Viet Nam.

SELECTED WORKING PROJECTS

- 08/2009 **VLSP Demonstration System**
Role: Main developer.
Descriptions:
- This system is a part of the national project “Building Basic Resources and Tools for Vietnamese Language and Speech Processing”.
 - It allows users to interact with Vietnamese language processing tools: Tokenizer, POS Tagger, Chunker, and Syntactic Parser.
 - It is implemented with PHP, Python, and MySQL.
 - Website: <http://vlsp.vietlp.org:8080/demo/>
- 07/2005 – 12/2006 **Bandwidth Management System (BMS)**
Role: Main developer of the account management system.
Descriptions:
- This system provides a high-speed Internet service to students who live in dormitories of universities in Viet Nam.
 - It contains a router and an account management system.
 - The router performs load-balancing between several ADSL lines.
 - The account management system is used to manage the bandwidth usage of students’ accounts, and to manage the sale of Internet cards.
 - It is implemented with Perl, Python, PHP, and MySQL.
- 10/2005 – 02/2006 **Yet Another Content Management System (YaCMS)**
Role: Main developer.
Descriptions:
- This is a light-weight content management system (CMS) for small companies and organizations.
 - It has module-based architecture which allows developer to easily add features and functions by writing a module.
 - It is implemented with PHP and MySQL.

- This system has been used for a company for publishing products' information and for some universities for publishing news.

COMPUTER SKILLS

Platforms: Windows (15 years), Linux (8 years)
Languages: C/C++ (5 years), PHP (5 years), Python (3 years), Java (2 years), C# (2 years)
More than five years' experience in web development with PHP and MySQL.
Certificates: Certificate of "Fundamental Information Technology Engineers Skill Standards" of VITEC (Viet Nam), which is equivalent to the Certificate of "Fundamental Information Technology Engineer" of JITEC (Japan).

LANGUAGE SKILLS

Vietnamese: Native
English: Fluent (TOEIC 835 @ Feb. 27, 2011)
Japanese: Basic

INTERESTS

Research: Machine Learning in Natural Language Processing, High-Performance Computing
Working: Research and Development, Intelligent System Development
Life: Discovery, Photography, Hi-tech Devices

REFERENCES

Akira Shimazu, Professor

School of Information Science

Japan Advanced Institute of Science and Technology

Email: shimazu@jaist.ac.jp Telephone: +81 (761) 51 1215

Profile: http://www.jaist.ac.jp/profiles/info_e.php?profile_id=39

Ho Tu Bao, Professor

School of Knowledge Science

Japan Advanced Institute of Science and Technology

Email: bao@jaist.ac.jp Telephone: +81 (761) 51 1730

Profile: http://www.jaist.ac.jp/profiles/info_e.php?profile_id=9

Nguyen Le Minh, Assistant Professor

School of Information Science

Japan Advanced Institute of Science and Technology

Email: nguyenml@jaist.ac.jp Telephone: +81 (761) 51 1218

Profile: http://www.jaist.ac.jp/profiles/info_e.php?profile_id=525