Huu-Phuc Vo

WORK ADDRESS

Department of Information Technology

Uppsala University

SE-751 05 Uppsala, Sweden

Phone: +46 700 23 66 96

Email: huu-phuc.vo@it.uu.se

vhphuc.fit@gmail.com

Web: it.uu.se/katalog/voph710

HOME ADDRESS

SE-125 74 Stockholm, Sweden

Born

January 26, 1985, Vietnam

LinkedIn:

http://www.linkedin.com/in/
huu-phuc-vo-850126

Profile:

https://phucvh888.github.io

EDUCATION

- **Ph.D. in Computer Science, Uppsala University, Sweden, November 2015 - September 2020.**

  PhD student in Computer Science. Supervisor: Justin Pearson

  Title: Machine-Assisted Reformulation for MiniZinc.

- **Ph.D. in Computer Science, National Institute of Informatics, Tokyo, Japan. October 2012 - October 2014.**

  The Graduate University for Advanced Studies - SOKENDAI

  PhD student in Computer Science. Supervisor: Zhenjiang Hu

  Title: Towards self-adjusting bidirectional graph transformations

- **M.Sc. in Computer Science, University of Science, Ho Chi Minh city, Viet Nam, October 2009 - October 2011**

  Master student in Computer Science. Supervisor: Hanh-Nhi Tran.

- **B.Sc. in Software Engineer and Information System, University of Science, Ho Chi Minh city, Viet Nam, October 2006 - May 2009**
  Bachelor of Science in Computer System and Software Engineering
  Title: Open source software workflow solution for managing documents
  Supervisor: Hanh-Nhi Tran, Quang-Vu Lam

WORK EXPERIENCE

- **November 2015 - Now: Teaching assistant at Department of Information Uppsala University, Uppsala, Sweden.**
  o **Courses:**
    - Semantics of Programming Languages, Algorithms and Data Structures 2, Software Engineering, Information Management Systems
- **October 2014 - November 2015: Teaching assistant at Department of Information Technology, University of Science, Vietnam National University, Ho Chi Minh city, Vietnam.**
  o **Courses:**
    - Tools and Environment for Software Development
    - Software Requirements Management.
- **October 2011 - October 2012: Teaching assistant at Department of Information Technology, University of Science, Vietnam National University, Ho Chi Minh city, Vietnam.**
  o **Courses:**
    - Java Programming
    - Software Project
- **January 2011 - October 2011: Internship at National Institute of Informatics, Tokyo, Japan.**

- o **Project:** Program transformation and program calculation. The project used the functional programming language Haskell and OCaml to develop a library supporting bidirectional graph transformation.
- o **Duties:** In this project, my duties were to use Haskell or OCaml to implement a matching query algorithm for graph transformation algorithm, integrate the interface with the core engine using MySQL and XML, and develop an effective graphical interface module using Java.

- **June 2009 - January 2011: Teaching assistant at Department of Information Technology, University of Science, Vietnam National University, Ho Chi Minh city, Vietnam.**
  - o **Courses:**
    - Software Testing, Software Project Management, Softskills for IT students.
    - Object Oriented Programming, Basic Web Programming, Advanced Web Programming

- **December 2007 - May 2008: part-time web developer at <u>Software Engineer Laboratory (SELAB)</u>, Department of Information Technology, University of Science, Vietnam National University, Ho Chi Minh city, Vietnam.**
  - o **Project:** develop and maintain university website including faculties and departments websites, web content management system and blackboard system (DotNet Nuke), and learning management system (moodle). The project aimed to develop more comprehensive functions that serve thousands of students, lecturers, and researchers.
  - o **Duties:** I was responsible for developing grading function for learning management system (moodle) using C# and .NET framework, and maintaining the lab websites using DotNet Nuke.

- **October 2006 - April 2007: Full-time software and web developer at <u>KnG</u>, Ho Chi Minh city, Vietnam**

o **Project**: the project aimed to develop an e-commerce website for Liquor Company in Japan based on the .NET framework. The work included developing the core engine, and web interface using C# and ASP.NET programming languages; MS SQL Server and MS Access databases; Active Directory, Dotnet Nuke frameworks; CSS3/HTML, Javascript, AJAX frontend scripting languages.

o **Duties:** I was responsible for developing the web interface and core engine. My tasks included designing, implementing (in C# and ASP.NET), integrating, testing, and documenting.

SCIENTIFIC ACTIVITIES

- **Participate UPMARC summer school, Uppsala, 2018**
- **Participate Oregon Programming Languages Summer School, Oregon, USA**

  University of Oregon, From June 26-July 8, 2017

  Topic: A Spectrum of Types

- **Participate UPMARC summer school, Uppsala, 2017**
- **Participate UPMARC summer school, Uppsala, 2016**
- **Internship at National Institute of Informatics, Tokyo, Japan, 2011**

  Supervisor: Zhenjiang Hu.

  Title: Evolution of modelling languages and models

GRANTS and AWARDS

- **Best paper award**, COORDINATION 2018, Madrid, Spain, June 2018
- **Honours Scholarship Grant** for the period October 2012 to March 2013, outlined by The Japan Student Services Organisation (JASSO), Japan, 2012.
- **Advanced Study Scholarship Grant** for the period October 2012 to October 2017, outlined by The National Institute of Informatics (NII), Tokyo, Japan, 2012.

- **Internship Scholarship grant** for the period January 2011 - October 2011, outlined by The National Institute of Informatics (NII), Tokyo, Japan.
- **Internship Scholarship grant** for the period December 2007 - May 2008, Software Engineer Laboratory, University of Science, Ho Chi Minh city, Vietnam.

PROFESSIONAL SERVICES

- Member of student board of Teknisk-naturvetenskapliga doktorandrådet (TNDR) Uppsala University, 2018-2019
- Local student aid: The European Joint Conferences on Theory and Practice of Software (ETAPS), Prague, Czech, May 2019
- Local student aid: The European Joint Conferences on Theory and Practice of Software (ETAPS), Uppsala, Sweden, June 2017
- Local student aid: International Conference on Functional Programming (ICFP), Tokyo, Japan, Sept 2011
- Co-organiser: Asia Pacific Software Engineering Conference (APSEC), Ho Chi Minh, Vietnam, Dec 2011

PUBLICATIONS

1. Paper accepted. **Huu-Phuc Vo**, *Machine-Assisted Reformulation for MiniZinc*. The 16th IEEE International Conference on Autonomic Computing (ICAC), Umea, Sweden, 2019.
2. Paper accepted. **Huu-Phuc Vo**, *Towards Efficient Solvers for Optimisation Problems*. The 19 th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGRID 2019), Cyprus, 2019.
3. Paper accepted. **Huu-Phuc Vo**, *Towards Efficient Algorithms for Constraints Satisfaction Problems*. The European Joint Conferences on Theory and Practice of Software (ETAPS), Czech, 2019.

4. Fernandez-Reyes, Kiko, Dave Clarke, Elias Castegren, and **Huu-Phuc Vo**. *Forward to a Promising Future*. In *International Conference on Coordination Languages and Models*, pp. 162-180. Springer, Cham, 2018.

5. **Huu-Phuc Vo**, Anders Berglund and Mats Daniels. *A Perspective from Vietnamese Students on Teaching of Soft Skills*. International Conference on Learning and Teaching in Computing and Engineering (Latice), Hong Kong, 2017.

6. **Huu-Phuc Vo**, Zhenjiang Hu, Hiroyuki Kato, Soichiro Hidaka, Zan Tao, *Software Development based on Bidirectional Model Transformation*. NII Open House, Tokyo, Japan, 2013.

7. **Huu-Phuc Vo**, Hiroyuki Kato, Soichiro Hidaka, Zhenjiang Hu, Paper presentation: *An Experimental Implementation of Self-adjusting Bidirectional Transformations*. Japan Society for Software Science and Technology (JSSST), the 30th Conference, Tokyo, Japan, September 2013.

8. **Huu-Phuc Vo**, Soichiro Hidaka, Hiroyuki Kato, Zhenjiang HU. *Bidirectional Graph Transformation for Privacy*. Sokendai International Symposium 2012 International Symposium on Global Knowledge Circulation - Designing Integrated Social Infrastructure, Japan, 2012.

9. **Huu-Phuc Vo**, Anh Vu Dao, Quang Vu Lam, Hanh-Nhi Tran. Open source software workflow solution for managing documents. In *Journal of Technical Education Science*, 1859 1272, 2009.