CONTACT Information 2733 S Hoover St, Apt 1 Los Angeles, California, USA 1-385-238-5583 minhpham@usc.edu

RESEARCH INTERESTS

Data integration, semantic web, data transformation, machine learning

EDUCATION

University of Southern California (USC)

Ph.D student, Computer Science, September 2015 - Present

• Advisor: Craig Knoblock, Professor

• Current GPA: 3.88/4.00

Ho Chi Minh City University of Technology (HCMUT)

B.E., Computer Science, September 2009 - January 2014

• Thesis Topic: Open Wikifier - The Wikipedia-based Entity Disambiguation

• Advisor: Tru H. Cao, Professor

GPA: 8.47/10Graduate Rank: 2%

RESEARCH EXPERIENCE

Data Cleaning with Minimal User Effort

June 2016 to Present

Information Science Institute, University of Southern California

• Description: Develop novel techniques to detect and correct data errors in tabular data

• Supervisor: Craig Knoblock, Prof.

Semantic Labeling in Data Sources

September 2015 to June 2016

Information Science Institute, University of Southern California

- Description: Develop a scalable approach to automatically labeling attributes in data sources with semantic types from ontologies.
- Supervisors: Craig Knoblock, Prof. and Pedro Szekely, Assoc. Prof.

Wikipedia-based Entity Disambiguation Project

Sep 2012 to Feb 2015

Ho Chi Minh City University of Technology, Vietnam National University

- Description: Identify potential mentions in documents and link these mentions to the corresponding Wikipedia entities using candidate searching and co-reference resolution methods.
- Supervisor: Tru H. Cao, Prof.

Work Experience

Knowledge Representation Research Intern

June 2018 to August 2018

Artificial Intelligence and Language (NAIL) Lab, Nuance Communications Inc.

- Description: Develop a novel approach that uses Probabilistic Soft Logic and automatic data profiler to solve entity resolution problems without any domain knowledge
- Supervisor: David Martin and Peter Patel-Schneider.

Publication

Pham, M., Knoblock, C. and Pujara J. (2019). *Learning Data Transformation with Minimal User Effort*. In 2019 IEEE International Conference on Big Data (IEEE Big Data 2019).

Knoblock, C. A., Joshi, A. R., Megotia, A., **Pham, M.**, and Ursaner, C. (2017). *Automatic Spatio-temporal Indexing to Integrate and Analyze the Data of an Organization*. In UrbanGIS 2017 – International Workshop on Smart Cities and Urban Analytics 2017.

Pham, M., Alse, S., Knoblock, C., and Szekely, P. (2016). *Semantic Labeling: A Domain-Independent Approach*. In ISWC 2016 - 15th International Semantic Web Conference.

Pham, M. T., Cao, T. H., and Huynh, H. M. (2016), Candidate Searching and Key Coreference Resolution for Wikification. In Proceedings of the 10th International Conference on Ubiquitous Information Management and Communication 2016

AWARDS

Vietnam Education Foundation Fellowship (\$54000 in 2 years) 2015-2017 Certificate of Merit for Excellent Graduation Grade 2014

TEACHING EXPERIENCE

Teaching Assistant

INF 558 - Building Knowledge Graphs - USC

Fall 2017

2012-2014

2016

2014-2015

Teaching Assistant

Artificial Intelligence, Data Structures and Algorithms - HCMUT

Professional Activities Board of Executive - VEF Fellows and Scholars Association (VEFFA) 2016

Organize events and activities for VEFFA

Represent VEFFA as a non-profit organization in US

Coordinator - VEF Mentoring Program

Organize mock interview sessions for US universities applicants

Organize mentor-mentee matching to help US universities applicants

Volunteer - PAKDD 2015, ACML 2014, ACIS 2014

Help organizing activities computer science conferences

Administrate conference websites

References Prof. Craig Knoblock

Information Science Institute, University of Southern California

Director of Information Integration Group

• E-mail: knoblock@isi.edu