

PERSONAL INFORMATION

Nghia The Pham

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RESEARCH INTEREST

Natural Language Processing
Compositional Distributional Semantics
Multimodal meaning representations

EDUCATION AND TRAINING

11//2012-now

PhD

Doctoral School in Neuron and Brain Science, University of Trento

Supervisor: Prof. Dr. Marco Baroni

▪ Field: Compositional Distributional Semantics, Computational Linguistics

5/2011

Msc

European Master Program in Language and Communication Technology

Free University of Bolzano, Italy and Saarland University, Germany

▪ Major: Computer Science, Computational Linguistics

▪ Grade: 109/110

Received Erasmus Mundus scholarship for non-European students

3/2008

Bse

Faculty of Computer Science and Engineering, Ho Chi Minh City University of Technology

▪ Major: Computer Science

▪ Grade: 8.37/10

Honor program, rank 7/300

6/2006

High school

High school for the gifted, Vietnam National University - Ho Chi Minh City

▪ Major: Mathematics

WORK EXPERIENCE

5/2012-11/2012

Research assistant (full-time)

University of Trento

▪ Task: Building [DISSECT toolkit](#), a toolkit for compositional distributional semantics, which can be used to build semantic spaces from co-occurrence matrices, perform compositional operations on these semantic spaces and rely on them to measure semantic similarity between words or phrases.

▪ Skills required: Python

12/2009-9/2010

Research assistant (student job, part-time)

German Research Center for Artificial Intelligence (DFKI)

- Task: Maintaining Heart of Gold, a middle ware architecture, which integrates multiple language processing components. These components process natural language texts on different levels from shallow to deep, e.g. tokenization, chunking, shallow parsing and deep parsing.
- Skills required: Java, Python, shell-script

PUBLICATIONS

- N. Pham, A. Lazaridou, G. Kruszewski, M. Baroni 2015. Jointly optimizing word representations for lexical and sentential tasks with the C-PHRASE model. Proceeding of ACL, 2015
- A. Lazaridou, N. Pham, M. Baroni 2015. [Combining Language and Vision with a Multimodal Skip-gram Model](#). Proceeding of NAACL, 2015.
- D. Paperno, N. Pham and M. Baroni. 2014. [A practical and linguistically-motivated approach to compositional distributional semantics](#). Proceedings of ACL 2014
- N. Pham, L.Ferrone, F.M. Zanzotto, 2014. Compositional Distributional Semantics Models in Chunk-based Smoothed Tree Kernels. Proceedings of *Sem 2014
- G. Dinu, N. Pham and M. Baroni. 2013. [General estimation and evaluation of compositional distributional semantic models](#). Proceedings of the ACL 2013 Workshop on Continuous Vector Space Models and their Compositionality
- G. Dinu, N. Pham and M. Baroni. 2013. [DISSECT: DIStributional SEmantics Composition Toolkit](#). Proceedings of the System Demonstrations of ACL 2013
- G. Boleda, M. Baroni, L. McNally and N. Pham. 2013. [Intensionality was only alleged: On adjective-noun composition in distributional semantics](#). Proceedings of IWCS 2013
- N. Pham, R. Bernardi, Y.-Z. Zhang and M. Baroni. 2013. [Sentence paraphrase detection: When determiners and word order make the difference](#). Proceedings of the Towards a Formal Distributional Semantics Workshop at IWCS 2013

OTHER ACTIVITIES

Reviewing

- STARSEM 2015, NAACL 2015 Student Research Workshop (secondary reviewer), ESSLLI Student Session 2015

PERSONAL SKILLS

Languages

- Vietnamese (mother language), English (proficient), German (basic), Italian (basic)

Programming Languages

- Java, Python, C++, Matlab

Operating Systems

- Linux, Windows

ADDITIONAL INFORMATION

Honours and awards

- 2008, Erasmus Mundus scholarship for non-European students
- 1996, third prize in national Mathematics competition, Vietnam