

## PERSONAL INFORMATION

## Nghia The Pham

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## WORK EXPERIENCE

5/2012-11/2012

### Research assistance

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

### HIWI (part-time job for students)

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

## EDUCATION AND TRAINING

11//2012-now

### PhD

Doctoral School in Neuron and Brain Science, University of Trento

Supervisor: Prof. Dr. Marco Baroni

- 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

- Computational Linguistics, NLP, Computer Science
- Received *Erasmus Mundus scholarship for non-European students (42000 Euro for 2 years)*

3/2008

### Bse

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

- Computer Science
- Honor program, rank 7/300

6/2006

### High school

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

- Mathematics

## PUBLICATIONS

N. Pham, A. Lazaridou, G. Kruszewski, M. Baroni 2015. Jointly optimizing word representations for lexical and sentential tasks with the C-PHRASE model. Under reviewing at 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 (51st Annual Meeting of the Association for Computational Linguistics)

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 (10th International Conference on Computational Semantics)

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

## RESEARCH INTEREST

Natural Language Processing  
Compositional Distributional Semantics  
Multimodal meaning representations

## 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 (42000 Euro for 2 years) 2002, second prize in Mathematics competition in Ho Chi Minh City, Vietnam 2000, first prize in Mathematics competition in Binh Thuan province, Vietnam 1996, third prize in national Mathematics competition, Vietnam
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