PERSONAL INFORMATION

Nghia The Pham

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WORK EXPERIENCE

5/2012-11/2012

Research assistant
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)

Progamming 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