

Angeliki Lazaridou

CONTACT INFORMATION

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RESEARCH INTERESTS

Natural language processing
Multimodal meaning representations
Compositional distributional semantics and applications to parsing and morphology
Computer Vision
Sentiment Analysis

EDUCATION

Ph.D. Computational Linguistics

University of Trento - Center for Mind/Brain Sciences, Trento, Italy
Expected Completion: December 2015
Supervisor: Prof. Dr. Marco Baroni

M.A. Computational Linguistics

Saarland University, Saarbrücken, Germany, December 2012
Overall Final Grade: sehr gut (1.4) – *best is 1.0*
A Bayesian Model for Joint Induction of Sentiment, Aspect and Discourse Information
Supervisors: Dr. Ivan Titov, Dr. Caroline Sporleder

B.Sc. Informatics and Telecommunications

University of Athens, Athens, June 2010
Overall Final Grade: 7.95 – *best is 10.0*
Thesis: Entity-level sentiment classification of textual data from the web (*in greek*)
Supervisors: Dr. George Paliouras, Prof. Dr. Panagiotis Stamatopoulos

EMPLOYMENT

Siemens Corporate Technology

June 2015 - ongoing

Medical Imaging and Computer Vision Lab
Princeton, NJ, USA

Research Intern (full-time)

The goal of this internship is to design a system based on recurrent neural networks for the decoding of brain activation signal into sequences of words.

Supervisor: Francisco Pereira

University of Trento - Fondazione Bruno Kessler

July 2012 - Sept 2012

Trento, Italy

Student Intern (full-time)

During my internship, I developed a system for conducting extrinsic evaluations of various entity linking techniques in the task of Machine Translation. At the same time, I worked in improving Machine Translation of words in context by means of word sense disambiguation through entity linking in Wikipedia.

Supervisor: Claudio Giuliano

Saarland University - Computational Linguistics and Phonetics Jan 2011 - June 2011

Saarbrücken, Germany

Student Research Assistant (part-time)

I was employed in the group “Machine Learning for NLP”. My responsibilities were to design and implement a Bayesian model for extracting and analyzing information regarding sentiment from product reviews.
Supervisor: Ivan Titov

NCSR “Demokritos”

Aug 2011 - Nov 2011

Athens, Greece

External Research Assistant (part time)

I was employed by the European Project SYNC3. My responsibilities were to design and evaluate an automatic sentiment classification platform for news blog posts based on Conditional Random Fields.

Supervisor: George Paliouras

ACTIVITIES

Student Chair

Student Research Workshop at NAACL 2016

Area Chair

Language and Computation (Student Session ESSLLI 2015)

Reviewer

*SEM 2015, Student Session NAACL 2015, Student Session ACL 2014, ECML/PKDD 2012

MSc Student Supervision

Dat Tien Nguyen, supervised on *Visual Semantic Compositionality* (internship, 2014) and *Image Generation of Linguistic Concepts* (MSc Thesis, ongoing).

Laura Maria Bostan, supervising on *Applying Distributional and Compositional Semantics for Predicting Image Memorability* (internship, ongoing).

Thanh Cong Le, co-supervising on *Applying Feature Inclusion For Detecting Hypernym Relations in Visual Concepts* (internship, ongoing).

AWARDS

Facebook PhD Fellowship Finalist

January 2015, Facebook

Erasmus Mundus Scholarship,

to study on EM-LCT Program for 2 years (2010-2012), European Commission

Zosima Scholarship

2010, Ministry of Education

PROGRAMMING

Python, Matlab, Java (*advanced*)

C/C++, Bash Scripting (*intermediate*)

Haskell, Scheme, Prolog (*basic*)

OTHER
ACTIVITIES

Scouting

Active member of Greek Scouting (2003-2010).

Team scouting leader of children 7-12 years (2009-2010).

Sports

Flatwater kayak athlete (1998-2008).

Member of Greek National Team (2003-2006).

Participated in the 2005 Juniors European Championship (Plovdiv, Bulgaria).

LANGUAGES

Greek (*native*), English (*proficient*), French (*intermediate*), Italian (*basic*)

TALKS

IBM Watson, NLP group, NY

July 2015 Title: Multimodal Language Learning.

Facebook AI Research, NY

July 2015 (upcoming) Title: Multimodal Language Learning.

University of Tübingen

Collaborative Research Center, "Construction of meaning" December 2015 (upcoming)

PUBLICATIONS

Angeliki Lazaridou, Marco Marelli, Marco Baroni

Multimodal word meaning induction from minimal exposure to natural text. *Under Preparation*.

Angeliki Lazaridou, Dat Tien Nguyen, Raffaella Bernardi, Marco Baroni

Unveiling the Dreams of Word Embeddings: Towards Language-Driven Image Generation. *Submitted at NIPS 2015*.

Angeliki Lazaridou, Georgiana Dinu, Marco Baroni

Understanding and improving cross-space mapping for zero-shot classification. (ACL 2015).

Nghia The Pham, Angeliki Lazaridou, Marco Baroni

A Multitask Objective to Inject Lexical Contrast into Distributional Semantics. (ACL-Short 2015).

Nghia The Pham, German Kruszewski, Angeliki Lazaridou, Marco Baroni

Jointly optimizing word representations for lexical and sentential tasks with the C-PHRASE model. (ACL 2015).

Georgiana Dinu, Angeliki Lazaridou, Marco Baroni

Improving zero-shot learning by mitigating the hubness problem. In ICLR, 2015 (Workshop Track).

Angeliki Lazaridou, Georgiana Dinu, Adam Liska, Marco Baroni

From visual attributes to adjectives through vector-based compositional semantics.
In Transactions of the Association for Computational Linguistics (TACL 2015).

Angeliki Lazaridou, Nghia The Pham, Marco Baroni

Combining Language and Vision with a Multimodal Skip-gram Model. In NAACL, 2015.
also appeared at NIPS 2014, Learning Semantics Workshop.

Dat Tien Nguyen, Angeliki Lazaridou, Raffaella Bernardi

Coloring Objects: Adjective-Noun Visual Semantic Compositionality. In Vision and Language Workshop, COLING, 2014.

Angeliki Lazaridou, Elia Bruni, Marco Baroni

Is this a wampimuk? Cross-modal mapping between distributional semantics and the visual world.
In ACL, 2014.

Dasha Bogdanova, Angeliki Lazaridou

Cross-Language Authorship Attribution. In LREC, 2014.

Angeliki Lazaridou, Eva Maria Vecchi, Marco Baroni

Fish transporters and miracle homes: How compositional distributional semantics can help NP parsing. In EMNLP, 2013.

Angeliki Lazaridou, Marco Marelli, Roberto Zamparelli, Marco Baroni

Compositionally Derived Representations of Morphologically Complex Words in Distributional

Semantics. In ACL, 2013.

Angeliki Lazaridou, Ivan Titov, Caroline Sporleder

A Bayesian Model for Joint Unsupervised Induction of Sentiment, Aspect and Discourse Representations. In ACL, 2013.

Nikolaos Engonopoulos, Angeliki Lazaridou, George Paliouras, Constadinos Chandrinou

ELS: a word-level method for entity-level sentiment analysis. In WIMS, 2011.