

CRISTINA GARBACEA

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RESEARCH INTERESTS

I am interested in general artificial intelligence. My research is focused on machine learning and deep learning for natural language processing and its applications.

EDUCATION

University of Michigan, Ann Arbor *Sep 2016 - Present*

Ph.D. in Computer Science & Engineering

Advisor: Prof. Qiaozhu Mei

University of Amsterdam *Sep 2013 - May 2016*

M.Sc. in Artificial Intelligence, graduated “*cum laude*”

Advisor: Prof. Evangelos Kanoulas

Transilvania University of Brasov *Sep 2006 - July 2010*

B.Eng. in Electrical Engineering and Computers

B.Sc. in Computer Science

RESEARCH EXPERIENCE

Microsoft Research *May 2016 - August 2016*

Research Intern

Redmond, USA

Advisors: Paul Bennett, Fernando Diaz

I joined the CLUES research group on the project “*Augmented Memory Intelligence*”, and worked on temporal and contextual retrieval of information from personal information stores.

Amsterdam Data Science Research Center *April 2014 - May 2015*

Graduate Research Assistant

Amsterdam, NL

Advisors: Daan Odijk, Victor de Boer, Laura Hollink, Jacco van Ossenbruggen

I worked on the “*Quantifying Historical Perspectives on World War II*” project.

Microsoft Research *June 2014 - Sept 2014*

“Bright Mind” Research Intern

Cambridge, UK

Advisors: Fahad Dogar, Thomas Karagiannis, Antony Rowstron

I joined the Systems and Networking research group on the project “*Analyzing OneDrive Performance*”.

I looked at how requests travel through the data serving stack, and how different cache sizes and eviction algorithms affect the performance of the cloud service.

PUBLICATIONS

A Systematic Analysis of Sentence Update Detection for Temporal Summarization

Cristina Garbacea and Evangelos Kanoulas

In *Proceedings of the 39th Conference on Information Retrieval (ECIR 2017)*, Aberdeen, UK.

The University of Amsterdam (ILPS.UvA) at TREC 2015 Temporal Summarization Track

Cristina Garbacea and Evangelos Kanoulas

In *Proceedings of the 24th Text REtrieval Conference (TREC 2015)*, NIST, Maryland, USA.

Supporting Exploration of Historical Perspectives Across Collections

D. Odijk, **C. Garbacea**, T. Schoegje, L. Hollink, V. de Boer, K. Ribbens, and J. van Ossenbruggen

In *Research and Advanced Technology for Digital Libraries (TPDL 2015)*, pp. 238-251, Poznan, Poland

Combining Multiple Signals for Semanticizing Tweets: U. Amsterdam at #Microposts2015

Cristina Garbacea, Daan Odijk, David Graus, Isaac Sijaranamual, and Maarten de Rijke

In *Proceedings of the 5th Workshop on Making Sense of Microposts at WWW 2015, Florence, Italy*

Feature Selection and Data Sampling Methods for Learning Reputation Dimensions

Cristina Garbacea, Manos Tsagkias, and Maarten de Rijke

In *Proceedings of Conference and Labs of the Evaluation Forum (CLEF 2014), Sheffield, UK*

Detecting the Reputation Polarity of Microblog Posts

Cristina Garbacea, Manos Tsagkias, and Maarten de Rijke

In *European Conference on Artificial Intelligence (ECAI 2014), Prague, Czech Republic*

PROFESSIONAL EXPERIENCE

2010 - 2013: Software Development Engineer, US Outsourcing, Brasov, Romania

2009: Software Development Engineer Intern, Dynamic Ventures, Brasov, Romania

2008: Software Development Engineer Intern, iQuest Technologies, Brasov, Romania

TEACHING EXPERIENCE

2006-2009: Teaching Certificate, Department for Teaching Staff Preparation

Transylvania University of Brasov, Romania, 60 ECTS.

AWARDS AND HONOURS

2018: CRA-W Grad Cohort Scholar, San Francisco, California, USA

2017: Anita Borg Scholar at GHC 2017, Orlando, Florida, USA

2017: Google Student Research Summit, Machine Intelligence track, San Bruno, California, USA

2017: Student Travel Award for attending KDD 2017, Halifax, Nova Scotia, Canada

2016: Rackham Graduate Fellowship, University of Michigan Ann Arbor, USA

2015: Google EMEA "Anita Borg" Memorial Scholarship Finalist

2015: ELIAS Scholarship for attending ESSIR 2015, Thessaloniki, Greece

2014: ACM Travel Grant for attending ECAI 2014, Prague, Czech Republic

2014: Microsoft "Bright Mind" Research Intern, Microsoft Research Cambridge, UK

TECHNICAL STRENGTHS

Computer Languages Python, C#, Java, C/C++, MATLAB

Databases MSSQL, MySQL, MSAccess, ElasticSearch

Tools Visual Studio, Scikit-Learn, Git, Latex

Platforms Linux, Mac OS X, Windows

ONLINE COURSES

Coursera: Machine Learning, Natural Language Processing, Neural Networks for Machine Learning

ENTREPRENEURIAL SKILLS

2015: **ACE Venture Lab Bootcamp**, Amsterdam Center for Entrepreneurship (ACE), Amsterdam
The programme addresses to beta sciences students who have a technology-driven idea, and helps them get introduced to the challenging aspects of starting a company.

2010: **National Foundation of Young Managers**, FNTM Romania, Sinaia, Romania.

My profile passed a national selection of young and motivated entrepreneurs, and I was invited to join a training session on business and marketing strategies. Me and my team won the 2010 FNTM Entrepreneur Scholarship.