

RESEARCH INTERESTS Artificial Intelligence, Human Language

EDUCATION **Carnegie Mellon University**, School of Computer Science, Pittsburgh, USA
 Masters in Language Technologies, Language Technologies Institute 2014 - 2016
 • Advisors: [Eduard Hovy](#) and [Louis-Philippe Morency](#)

Koc University, Istanbul, Turkey
 M.Sc., Computer Science August 2014
 • Thesis Topic: *Substitute Based SCODE Word Embeddings in Supervised NLP Tasks*
 • Advisor: [Deniz Yuret](#)

Bogazici University, Istanbul, Turkey
 B.S., Computer Engineering, June 2012
 • Thesis Topic: *Social Semantic Community Spaces*
 • Advisor: [Suzan Uskudarli](#)

ACADEMIC EXPERIENCE **Research Assistant, CMU** September 2015 - Now
 [Edvisees](#) and [MultiComp](#)
 Supervisor: [Eduard Hovy](#) and [Louis-Philippe Morency](#)

Research Assistant, CMU September 2014 to May 2015
 Event Group
 Supervisor: [Teruko Mitamura](#)

Research Assistant, Koc University September 2012 to August 2014
 Artificial Intelligence Laboratory
 Supervisor: [Deniz Yuret](#)

NLP Summer School Intern, TUBITAK Summer 2013
 Worked on Turkish chunking problem at the first NLP summer school. Tried to extend previous work which only detects the chunk boundaries by labeling the chunks.
 Supervisor : [Ilknur Durgar Elkahloud](#).

PROFESSIONAL EXPERIENCE **Research Intern, Amazon Boston, MA** May - August 2015
 Worked for Natural Language Understanding team.
 Mentor : [Francois Mairesse](#), Manager : [Shiv Vitaladevuni](#)

Part-Time Software Developer, Rocket Internet Turkey April - July 2012
 Developed an ERP solution zTools using Django. It includes modules like shipment management, returned order management, file management, billing etc.
 Supervisor : [Alp Ozenalp](#)

R&D Intern, Plus1Minus1 January - February 2012
 Worked on Frequency Assignment Problem. Applied several heuristics with C++ to reduce the runtime of the exhaustive solution to interference problem among base stations.
 Supervisor : [Arman Boyaci](#)

R&D Intern, IBTech

August - September 2011

Developed Software Effort Estimation tool by integrating machine learning tool WEKA with .NET Platform.

Supervisor : Fatih Nayebe

REFEREED WORKSHOP PUBLICATIONS

1. Cirik, Volkan, "Addressing Ambiguity in Unsupervised Part-of-Speech Induction with Substitute Vectors" *51st Annual Meeting of the Association for Computational Linguistics Proceedings of the Student Research Workshop*, 117–122, 2013.
2. Baskaya, Osman and Sert, Enis and Cirik, Volkan and Yuret, Deniz "AI-KU: Using Substitute Vectors and Co-Occurrence Modeling For Word Sense Induction and Disambiguation" *Joint Conference on Lexical and Computational Semantics (*SEM), Volume 2: Proceedings of the Seventh International Workshop on Semantic Evaluation (SemEval 2013)*, 300–306, 2013.
3. Cirik, Volkan and Sensoy, Husnu, "The AI-KU System at the SPMRL 2013 Shared Task : Unsupervised Features for Dependency Parsing" *Proceedings of the Fourth Workshop on Statistical Parsing of Morphologically-Rich Languages*, 78–85, 2013.
4. Yatbaz, Mehmet Ali and Cirik, Volkan and Yuret, Deniz "Paradigmatic Representations Outperform Syntagmatic Representations in Distributional Learning of Grammatical Categories" *Boston University Conference on Language Developmentm, 2014*

ACCEPTED PUBLICATIONS

1. Cirik, Volkan and Morency, Louis-Philippe and Hovy, Eduard "Chess Q&A : Question Answering on Chess Games" *Reasoning, Attention and Memory Workshop, NIPS 2015*

AWARDS & HONOURS

- Honorable Mention at the LTI Student Research Symposium August 2014
- Swam from Asia to Europe. The annual race is organized by National Olympic Committee of Turkey in Istanbul. Summer 2012
- Second Prize for Senior Thesis, Bogazici University. January 2012
- Silver Medal, National Computer Science Olympiads organized by The Scientific And Technological Research Council Of Turkey (TUBITAK). December 2005
- Participated in National Computer Science Olympiads summer and winter camps to prepare for International Olympiads in Informatics. Summer 2004, Winter 2006

TEACHING EXPERIENCE**Teaching Assistant**

Fall 2015

Deep Learning, Carnegie Mellon University

Teaching Assistant

Spring 2014

Machine Learning, Koc University

Teaching Assistant

Fall 2012, Spring 2013, Fall 2013

Introduction To Programming, Koc University

Teaching Assistant

Fall 2009

Introduction to Computing, Bogazici University

Computer Science Olympiads Coordinator

Fall 2006 - Spring 2010

Data Structures and Algorithms for the contests of National Science Olympiads
Lycée de Galatasaray

Teaching Assistant

Summer 2006

Data Structures and Algorithms for Computer Science Olympiads Summer Camp
Middle East Technical University

VOLUNTEER WORK

- Worked for restoration of a medieval borough, Ardeche/France Summer 2008
- Worked at Bogazici University Technology and Education Laboratory for the Visually Impaired. Fall 2008

FAMILIAR WITH

C, C++, Java, Python, Django , MATLAB, awk, sed, grep , GNU make

**EXTRACURRICULAR
ACTIVITIES**

Co-founder of Bogazici University Degustation and Gastronomy Club, 2* CMAS
SCUBA Diver, Water Polo, Lindy Hop