Doruk Çetin

Website: dcetin.me Email: dcetin@ethz.ch GitHub: github.com/dcetin

EDUCATION

ETH Zurich, CH

M.S. in Computer Science, GPA: 5.63/6.00

2018-2020

- Thesis: "Learning in-the-wild Temporal 3D Pose Estimation from MoCap Data"

Middle East Technical University

Ankara, TR

B.S. in Computer Engineering, GPA: 3.96/4.00 (ranked $2^{nd}/190$ in the dept.)

2013-2018

- Thesis: "AlgoTrade: A web-based algorithmic trading and backtesting framework"

EXPERIENCE

ETH Zurich Zurich, CH

Student Research Assistant at Data Analytics Lab

Summer 2019

- Interpretability in adversarial word embeddings for text
- Adapted the codebase for adversarial attacks on embeddings, conducted qualitative and quantitative analyses, worked on adversarial text generation via embedding projection

Imperial College London

London, UK

Research Intern at Intelligent Behaviour Understanding Group (iBUG)

Summer 2017

- A novel audiovisual dataset for normal, whispered and silent speech
- Created tools for data collection and analysis, analysed the collected data, implemented fixes, worked on the reimplementation of the existing network in a different library

École Polytechnique Fédérale de Lausanne

Lausanne, CH

Research Intern at Data Intensive Applications and Systems Laboratory (DIAS)

Summer 2016

- Microarchitectural analysis of OLAP database systems
- Examined the changes in microarchitectural utilization of different column-oriented database systems on distinct workloads

PUBLICATIONS

[1] S. Petridis, J. Shen, **D. Cetin**, and M. Pantic, "Visual-Only Recognition of Normal, Whispered and Silent Speech", in 2018 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), Apr. 2018, pp. 6219–6223.

Teaching

• Student Teaching Assistant at Middle East Technica Programming Language Concepts (CENG 242)	l University	Spring 2018
• Student Teaching Assistant at Middle East Technica Introduction to C Programming (CENG 230)	l University	Fall 2016
Skills	LANGUAGES	
 Programming: Python, Matlab, C/C++, Java M. Learning: PyTorch, TensorFlow, Keras, Chainer Tools/Techs: LaTeX, Git, SQL Web: HTML/CSS, Jekyll, JavaScript 	 English: Proficient, TOEFL iBT score: 112/120 GRE: V: 162/170, Q: 170/170, AW: 4.0/6.0 Turkish: Mother tongue, native speaker Spanish: Conversational, CEFR level: A1-A2 	
PROJECTS		
See full list of projects on dcetin.me/projects		
eth-cs-notes (LaTeX/Markdown, 2019) Lecture notes/cheatsheets for Master's in CS	• bert-adv-embed (Python/Chainer, 2) • Adversarial perturbations on BERT word of	
Scholarships and Awards		
• ETH Zurich Direct Doctorate Scholarship		2018-2020
• 3^{rd} place in METU Ceng Demo Day 2018, final year project exhibition of the department		2018
• Erasmus+ Traineeship Scholarship		2017
Summer@EPFL Scholarship METLI Development Foundation Scholarship for Outstee	ading Guages	2016 2013–2018
 METU Development Foundation Scholarship for Outstanding Success Merit based Prime Ministry Scholarship 		2013–2018
Isbank Altın Gençler Award and mobility grant		2013 2010
 Ranked 4th among 1.9 million participants nationwide in 	Undergraduate Placement Examination (LYS)	2013
Volunteering & Mentoring		
• Career Mentor at Crossing Paths Helping undergraduate students on their career goals, als		017–Current
• Master Helper at ETH VIS Welcome Day 2019 Mentored newcomer Master students, gave a campus tou	r and aided them in Study Planning Workshop	Fall 2019
• C Programming Language Tutor at IEEE METU Student Branch An introduction to programming and a tutorial for the school courses for non-CS students		Fall 2016
• Official Turkish localization of the video game Human Resource Machine A puzzle game by Tomorrow Corporation, simulating a simple computer in an office environment		Winter 2015