Doruk Çetin

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



EDUCATION

ETH Zurich 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

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

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

Ankara, TR

2013-2018

EXPERIENCE

ETH Zurich Zurich, CH Summer 2019

Student Research Assistant at Data Analytics Lab

- 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

Research Intern at Intelligent Behaviour Understanding Group (iBUG)

- 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

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

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

Publications

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.

London, UK

Summer 2017

Lausanne, CH Summer 2016

TEACHING

• Student Teaching Assistant at Middle East Technical Programming Language Concepts (CENG 242)	l University	Spring 2018
• Student Teaching Assistant at Middle East Technical 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: 1 GRE: V: 162/170, Q: 170/170, AW: 4.0/6 Turkish: Mother tongue, native speaker Spanish: Conversational, CEFR level: A 	3.0
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 3rd place in METU Ceng Demo Day 2018, final year project exhibition of the department Erasmus+ Traineeship Scholarship Summer@EPFL Scholarship 		2018–2020 2018 2017 2016
 METU Development Foundation Scholarship for Outstanding Success Merit based Prime Ministry Scholarship 		2013–2018 2013–2018
• Isbank Altın Gençler Award and mobility grant • Ranked 4^{th} among 1.9 million participants nationwide in Undergraduate Placement Examination (LYS)		2013 2013
Volunteering & Mentoring		
• Career Mentor at Crossing Paths Helping undergraduate students on their career goals, also		017–Current
• Master Helper at ETH VIS Welcome Day 2019 Mentored newcomer Master students, gave a campus tour	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