# Doruk Çetin

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

#### EDUCATION

ETH Zurich, M.S. in Computer Science

Current GPA: 5.45/6.00

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 2nd/190 in the department

Ankara, TR

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

## EXPERIENCE

ETH Zurich
Student Research Assistant at Data Analytics Lab
Zurich, CH

- 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

Summer 2017

Research Intern at Intelligent Behaviour Understanding Group (iBUG)

London, UK

- 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

Summer 2016

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

Lausanne, CH

- Microarchitectural analysis of OLAP database systems
- Examined how the utilization of the underlying microarchitecture changes based on the different families of database systems and distinct workloads

## Publications

 S. Petridis, J. Shen, D. Cetin and M. Pantic, "Visual-Only Recognition of Normal, Whispered And Silent Speech", IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), April 2018

#### TEACHING

• Student Teaching Assistant at Middle East Technical University
Programming Language Concepts (CENG 242)

Spring 2018

• Student Teaching Assistant at Middle East Technical University Introduction to C Programming (CENG 230)

Fall 2016

## **PROJECTS**

- eth-cs-notes (LaTeX/Markdown, 2019) Lecture notes/cheatsheets for Master's in CS
- dcetin.me (Jekyll/HTML/CSS, 2018)
  Minimalist personal webpage/blog
- bert-adv-embed (Python/Chainer, 2019)
- Adversarial perturbations on BERT word embeddings
- AlgoTrade (JavaScript/Python, 2017) Web-based algorithmic trading framework

### SKILLS

- **Programming:** Python, Matlab, C/C++, Java
- Deep learning: TensorFlow, Keras, Chainer, PyTorch
- Tools/Techs: LaTeX, Git, SQL
- Web: HTML/CSS, Jekyll, JavaScript

#### LANGUAGES

- 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

# SCHOLARSHIPS AND AWARDS

• ETH Zurich Direct Doctorate Scholarship	2018 – 2020
ullet 3 <sup>rd</sup> place in METU Ceng Demo Day 2018, final year project exhibition of the department	2018
• Erasmus+ Traineeship Scholarship	2017
• Summer@EPFL Scholarship	2016
• METU Development Foundation Scholarship for Outstanding Success	2013 – 2018
• Merit based Prime Ministry Scholarship	2013 – 2018
• Isbank Altın Gençler Award and mobility grant	2013
• Ranked 4th among 1.9 million participants nationwide in Undergraduate Placement Examination (LYS)	2013

# Volunteering & Mentoring

•	Career Mentor at Crossing Paths	2017–Current
	Helping undergraduate students on their career goals, also took part in their Career Chats program	
•	Master Helper at ETH VIS Welcome Day 2019	Fall 2019
	Mentored newcomer Master students, gave a campus tour and aided them in Study Planning Workshop	)

• C Programming Language Tutor at IEEE METU Student Branch

An introduction to programming and a tutorial for the school courses for non-CS students

• Official Turkish localization of the video game Human Resource Machine

A puzzle game by Tomorrow Corporation, simulating a simple computer in an office environment

Fall 2016