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

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

2018–2020

Zurich, CH

Ankara, TR

EXPERIENCE

ETH Zurich
Student Research Assistant at Data Analytics Lab
Summer 2019
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

Research Intern at Intelligent Behaviour Understanding Group (iBUG)

Summer 2017 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

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

Summer 2016

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 rd 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	Fall 2016
	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	Winter 2015

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