Doruk Çetin

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

EDUCATION

ETH Zurich, M.S. in Computer Science   2018–2020
Current GPA: 5.45/6.00   Zurich, CH

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

Middle East Technical University, B.S. in Computer Engineering   2013–2018
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   Summer 2019
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

1. 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   Spring 2018
  Programming Language Concepts (CENG 242)

- **Student Teaching Assistant** at Middle East Technical University   Fall 2016
  Introduction to C Programming (CENG 230)

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
- 3rd 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