Doruk Çetin

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EDUCATION

ETH Zurich — Zurich, CH
M.S. in Computer Science, GPA: 5.63/6.00 (Focus: Visual Computing) — 2018–Current
- Thesis: "Learning in-the-wild Temporal 3D Pose Estimation from MoCap Data"
- Built a competitive temporal 3D human pose estimation (HPE) framework, investigated methods for training without paired images, experimented with joint models for HPE and motion prediction

Middle East Technical University — Ankara, TR
B.S. in Computer Engineering, GPA: 3.96/4.00 (ranked 2nd/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 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)

Skills

- **Programming:** Python, Matlab, C/C++, Java
- **M. Learning:** PyTorch, TensorFlow, Keras, Chainer
- **Tools/Techs:** LaTeX, Git, SQL, OpenGL, VS Code
- **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

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, 2019)
  Adversarial perturbations on BERT word embeddings

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