

Doruk Çetin

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EDUCATION

- | | |
|---|-------------------|
| ETH Zürich | 2018 – |
| • <i>Direct Doctorate in Computer Science</i> | <i>Zürich, CH</i> |
| <i>Master in Computer Science track: Visual Computing</i> | |
| Middle East Technical University | 2013 – 2018 |
| • <i>Bachelor of Science in Computer Engineering</i> | <i>Ankara, TR</i> |
| <i>Overall GPA: 3.96/4.00, Ranked 2nd out of 190 students in the department</i> | |
| İzmir Science High School | 2009 – 2013 |
| • <i>Ranked 4th among 1.9 million participants nationwide</i> | <i>İzmir, TR</i> |
| <i>and 1st among all students at METU, in Undergraduate Placement Examination (LYS)</i> | |

EXPERIENCE

- | | |
|---|---------------------|
| Imperial College London | Summer 2017 |
| • <i>Research Intern at Intelligent Behaviour Understanding Group</i> | <i>London, UK</i> |
| ▶ Creation of a novel audiovisual dataset from scratch | |
| – Created tools for data collection and analysis, analysed the collected data, implemented fixes, worked on the reimplementing of the existing network in a different library, under the supervision of Prof. Maja Pantic | |
| – Used: Python, Keras, TensorFlow, AutoIt, VirtualDub, GStreamer, Lasagne, Theano | |
| École Polytechnique Fédérale de Lausanne | Summer 2016 |
| • <i>Research Intern at Data Intensive Applications and Systems Laboratory</i> | <i>Lausanne, CH</i> |
| ▶ 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, under the supervision of Prof. Anastasia Ailamaki | |
| – Used: C++, SQL, json, VTune, Excel (databases/DBMSs can't be named due to disclosure) | |

PUBLICATIONS

- **D. Cetin**, B. Aydemir, E. Aldemir, U. Akunal, C. Seylan and S. Temizer, "AlgoTrade: A web-based algorithmic trading and backtesting framework", *International Conference & Exhibition on Digital Transformation & Smart Systems, October 2018*
- 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, April 2018* [[link](#)]

SKILLS

- **Programming:** Python, Matlab, C/C++, Java
- **ML:** Scikit-learn, TensorFlow, Keras, PyTorch
- **Tools/Techs:** LaTeX, Git, SQL, OpenGL
- **Web:** HTML/CSS, XAMPP, Jekyll, JavaScript

LANGUAGES

- **English:** Proficient, TOEFL iBT score: 112/120
- **Turkish:** Mother tongue, native speaker
- **Spanish:** Conversational, CEFR level: A1-A2
- **GRE:** V: 162/170, Q: 170/170, AW: 4.0/6.0

TEACHING

- Student Teaching Assistant at Programming Language Concepts Spring 2018
CENG 242, Middle East Technical University
- Student Teaching Assistant at Introduction to C Programming Fall 2016
CENG 230, Middle East Technical University

PROJECTS

- **ETH Advanced System Lab** Fall 2018
Middleware platform for key-value stores written in Java and analysis of its performance [\[link\]](#)
- **dcetin.me (Personal Website)** Spring 2018 -
Minimalist webpage/blog written in Jekyll and vanilla CSS [\[link\]](#)
- **AlgoTrade (BSc Final Year Project)** Fall 2017
User-friendly, web-based framework for creating, backtesting and optimizing trading algorithms [\[link\]](#)

VOLUNTEERING

- Career Mentor at Crossing Paths Fall 2017 -
Helping undergraduate students on their career goals, also took part in their Career Chats program
- C Programming Language Tutor at IEEE METU Student Branch Fall 2016
For non-CS students, both as an introduction to programming and as a supplementary tutorial for the school courses
- Official Turkish Localization of the video game Human Resource Machine Winter 2015
A puzzle game developed by Tomorrow Corporation, simulating a simple computer in an office environment

SCHOLARSHIPS AND AWARDS

- ETH Zürich Direct Doctorate Scholarship 2018 -
- 3rd place in Ceng Demo Day 2018, project exhibition of the Computer Eng. department 2018
- Erasmus+ Traineeship Scholarship 2017
- Crossing Paths Internship Abroad Stipend 2017
- Summer@EPFL Scholarship 2016
- High Honour roll for eight consecutive semesters 2014 - 2018
- METU Development Foundation Scholarship for Outstanding Success 2013 - 2018
- Merit based Prime Ministry Scholarship 2013 - 2018
- Isbank Altın Gençler Award and mobility grant 2013