

EDUCATION

ETH Zurich M.S. in Computer Science, GPA: 5.63/6.00 (Focus: Visual Computing) – Thesis: “Learning in-the-wild Temporal 3D Pose Estimation from MoCap Data”	Zurich, CH 2018–Current
Middle East Technical University B.S. in Computer Engineering, GPA: 3.96/4.00 (ranked 2 nd /190 in the dept.) – Thesis: “AlgoTrade: A web-based algorithmic trading and backtesting framework”	Ankara, TR 2013–2018

EXPERIENCE

DisneyResearch Studios Research Intern at Animation Group – Markerless motion capture through training on synthetic data	Zurich, CH Winter 2020
ETH Zurich Student Research Assistant at Data Analytics Lab – Interpretability in adversarial word embeddings for text	Zurich, CH Summer 2019
Imperial College London Research Intern at Intelligent Behaviour Understanding Group (iBUG) – A novel audiovisual dataset for visual speech recognition	London, UK Summer 2017
École Polytechnique Fédérale de Lausanne Research Intern at Data Intensive Applications and Systems Laboratory (DIAS) – Microarchitectural analysis of OLAP database systems	Lausanne, CH Summer 2016

PUBLICATIONS

- [1] S. Petridis, J. Shen, **D. Çetin**, 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 <i>Programming Language Concepts (CENG 242)</i>	Spring 2018
• Student Teaching Assistant at Middle East Technical University <i>Introduction to C Programming (CENG 230)</i>	Fall 2016
• C Programming Language Tutor at IEEE METU Student Branch <i>An introduction to programming and a tutorial for the school courses for non-CS students</i>	Fall 2016

PROJECTS

See full list of projects on dcetin.me/projects

- **Master's Thesis Project** (Python, PyTorch)
Advisor: Prof. Otmar Hilliges of AIT Lab in ETH Zurich
 - Built a competitive human pose estimation framework trained only on mocap data without paired images.
 - Investigated methods to train joint models that address pose estimation and motion prediction together.
- **Summer Research Project** (Python, Chainer, BERT)
Advisor: Prof. Thomas Hofmann of Data Analytics Lab in ETH Zurich
 - Implemented adversarial attacks on word embeddings, quantified their effects on predictive performance for sentiment analysis and worked on adversarial text generation via embedding projection.
 - Adapted the codebase to the BERT model and studied model interpretability using adversarial embeddings.
- **AV Digits Database** (Python, Keras, Theano, TensorFlow, AutoIt)
Advisor: Prof. Maja Pantic of iBUG group in Imperial College London
 - Created the user interface and oversaw the data collection, then analysed and corrected the collected data.
 - Worked on the transfer of the codebase from Theano/Lasagne to TensorFlow/Keras.

SKILLS

- **Coding:** Mainly using **Python** and comfortable with **C/C++**. Have used **Matlab** and **Java** in the past.
- **Deep Learning:** Experienced in **PyTorch**, **TensorFlow/Keras** and **Chainer**.
- **Tools:** Routinely using **LaTeX**, **Git** and **VSCode**, have used **SQL** and **OpenGL** in the past.
- **Web:** Using vanilla **HTML/CSS** on top of **Jekyll/Liquid** for my personal website, familiar with **JavaScript**.

LANGUAGES

Turkish (Native), **English** (Fluent, TOEFL: 112/120), **Spanish** (Elementary)

SCHOLARSHIPS AND AWARDS

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| • ETH Zurich Direct Doctorate in Computer Science Scholarship | 2018–2020 |
| • 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 |
| • Ranked 4 th among 1.9 million participants nationwide in Undergraduate Placement Examination (LYS) | 2013 |
| – METU Development Foundation Scholarship for Outstanding Success | 2013–2018 |
| – Merit based Prime Ministry Scholarship | 2013–2018 |
| – Isbank Altın Gençler Award and mobility grant | 2013 |

MENTORING

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