

EDUCATION

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| ETH Zurich M.S. in Computer Science, GPA: 5.61/6.00 (Focus: Visual Computing) – Thesis: “Learning in-the-wild Temporal 3D Pose Estimation from MoCap Data” | Zurich, CH 2018–2021 |
| 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

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| Align Technology Research Engineer | Zurich, CH 2021/07 - Present |
| Arbrea Labs Deep Learning Engineer – Visualizing the results of plastic surgery through augmented reality | Zurich, CH 2021/04 - 2021/07 |
| DisneyResearch Studios Research Intern at Animation Group – Markerless motion capture through training on synthetic data | Zurich, CH 2020/11 - 2021/02 |
| ETH Zurich Student Research Assistant at Data Analytics Lab – Interpretability in adversarial word embeddings for text | Zurich, CH 2019/05 - 2019/09 |
| Imperial College London Research Intern at Intelligent Behaviour Understanding Group (iBUG) – A novel audiovisual dataset for visual speech recognition | London, UK 2017/07 - 2017/09 |
| École Polytechnique Fédérale de Lausanne Research Intern at Data Intensive Applications and Systems Laboratory (DIAS) – Microarchitectural analysis of OLAP database systems | Lausanne, CH 2016/06 - 2016/09 |

SKILLS

- **Coding:** Mainly using **Python** and comfortable with **C/C++**. Have used **Swift**, **Matlab** and **Java** in the past.
- **Deep Learning:** Experienced in **PyTorch**, **TensorFlow/Keras**, **Chainer** and **CoreML**.
- **Tools:** Routinely using **LaTeX**, **Git** and **VSCode**, have used **CMake**, **OpenGL**, **XCode** and **SQL**.
- **Web:** Using vanilla **HTML/CSS** on top of **Jekyll/Liquid** for my personal website, familiar with **JavaScript**.
- **OS:** Prefer working on **Linux** or **Windows**, worked also on **MacOS** and **iOS**.

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.

LANGUAGES

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

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)
- **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

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.
- **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.

SCHOLARSHIPS AND AWARDS

- ETH Zurich Direct Doctorate in Computer Science 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
- Ranked 4th 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