

EDUCATION

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

Arbrea Labs Deep Learning Engineer	Zurich, CH 2021/04 - Current
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

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.

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**.

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 dctin.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.

LANGUAGES

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

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
 - Isbank Altın Gençler Award and mobility grant 2013

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