EREN CETIN

MSc Student at ETH Zurich
Excellence Scholar

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EDUCATION

ETH Zurich
Zurich, Switzerland

MSc in Electrical Engineering and Information Technology
09/2022 - present

- Specialization in Machine Learning and Signal Processing
- Awarded with Excellence Scholarship
- GPA: 5.69/6.00
- Current Coursework: Deep Learning, Machine Perception, Computer Vision, Probabilistic AI, Robot Learning, Big Data, Mathematical Optimization, Model-based Estimation

Koç University
Istanbul, Turkey

BSc in Electrical & Electronics Engineering / Double Major in Economics
09/2017 - 06/2022

- Salutatorian of the class of 2022, Top ranked student in both EEE and Economics
- Awarded with full-tuition scholarship and Vehbi Koç Honor Award each semester
- GPA: 4.00/4.00
- Specialization in AI, Machine Learning, Deep Learning, Digital Image/Video Processing

PROFESSIONAL EXPERIENCE

ART Labs
Istanbul, Turkey

Computer Vision Intern
07/2021 - 09/2021

- Designed a 3D garment texture optimizer using multiple still images and 3D model.
- Python, PyTorch, OpenCV

Softtech
Istanbul, Turkey

Natural Language Processing Intern
06/2021 - 07/2021

- Assisted building a text classification model and preparing a text corpus for a client bank.
- Python, PyTorch

RESEARCH EXPERIENCE

KUIS AI Lab, Koç University
Istanbul, Turkey

Undergraduate Research Assistant
02/2021 - 09/2022

- Research on image/video compression using recurrent and fully convolutional auto-encoders under supervision of Murat Tekalp. Presented our work on bidirectional video compression in ICIP 2022.
- Python, PyTorch, Slurm

MA-CSSL, Koç University
Istanbul, Turkey

Undergraduate Research Assistant
01/2022 - 03/2022

- Participated in research project, "IMF Decides, Machine Learns" to achieve a high accuracy prediction of IMF decisions. Assisted in building a large dataset of IMF transcripts.
- Python, Office

KUIS AI Lab, Koç University
Istanbul, Turkey

Summer Research Intern
06/2021 - 09/2021

- Research and study on style transfer and image manipulation using GANs. Reimplemented the paper "Swapping Autoencoder for Deep Image Manipulation" by Park et al. (2020).
- Python, PyTorch, Slurm

TEACHING EXPERIENCE

Koç University
Istanbul, Turkey

Teaching Assistant in ECON 333, Game Theory
09/2020 - 01/2021

- Teaching assistant for the "Game Theory & Strategy" lectures. I conducted problem sessions for over 80 students weekly and arranged office hours.

Educational Tutor in ELEC 100, Intro to EEE
02/2019 - 06/2019

- Tutoring over 90 freshman students in the "Introduction to EEE" lectures for a support program provided by Koç University.

PUBLICATIONS

- E. Cetin, M.A. Yilmaz, A.M. Tekalp. "Flexible-Rate Learned Hierarchical Bi-Directional Video Compression With Motion Refinement and Frame-Level Bit Allocation," in International Conference on Image Processing, Bordeaux, France, 2022.

ABOUT ME

Engineer by training, ML enthusiast, avid debugger and great pool player.

SKILLS

Python

PyTorch

MATLAB

C++

SQL

Slurm

Office

LANGUAGES

English • Fluent (TOEFL iBT 115/120)
German • Beginner
Turkish • Native

HOBBIES

Pool, Snowboarding, Cycling

VOLUNTEERING

- Group Leader & Admin for "CS101: Hello World!". Introduced coding basics with Python to high school students around Turkey.

- Newcoming Student Mentor at Koç University. Assist newcomers with their transition and academic plans.