

Görkay Aydemir

@ gorkayaydemir@gmail.com | [LinkedIn](#) | [GitHub](#) | [Website](#) | 📍 Turkey

EDUCATION

Koc University

M.Sc. in Computer Engineering
CGPA: 4.00/4.00

Istanbul, Turkey

Sep 2023 – Now

Middle East Technical University

B.Sc. in Computer Engineering
CGPA: 3.99/4.00, 2nd out of 2540

Ankara, Turkey

Sep 2017 – Jul 2022

Ankara Science High School

High School Diploma

Ankara, Turkey

Sep 2013 – Jun 2017

RESEARCH EXPERIENCE

KUIS (Koc University - Is Bank) AI Center

Research Intern

Istanbul, Turkey

Nov 2021 – Sep 2023

- Conducted research on Unsupervised Video Object Segmentation under supervision of [Dr. Fatma Guney](#) and [Dr. Weidi Xie](#)
- Conducted research on Motion Forecasting of Autonomous Vehicles under supervision of [Dr. Fatma Guney](#)

University of Illinois at Urbana-Champaign (UIUC)

Research Intern

Champaign, Illinois, US

June 2021 – Nov 2021

- Conducted research on the interaction of ML systems in Autonomous Vehicles and end-to-end testing of them under supervision of Dr. Reyhaneh Jabbarvand

METU Image Processing and Pattern Recognition Lab

Research Intern

Ankara, Turkey

Aug 2020 – Sep 2020

- Worked on some Computer Vision related tasks including image processing and literature studies about Computer Vision-Deep Learning under supervision of Dr. Emre Akbaş

WORK EXPERIENCE

Codeway Studios

AI Research Scientist

Istanbul, Turkey

May 2023 – Oct 2023

- Worked on development of Generative AI solutions, specifically Diffusion Models

AI Research Engineer

Nov 2022 – May 2023

- Worked on reproduction and improvements of recent Generative AI methods

Havelsan

Intern

Ankara, Turkey

Aug 2021 – Sep 2021

- Worked on messaging between radars and internal systems. Specifically design and optimization of test cases

Simsoft

Intern

Ankara, Turkey

June 2019 – Aug 2019

- Worked on a simulation-game project

PUBLICATIONS

G. Aydemir, X. Cai, W. Xie, F. Güney, [Track-On: Transformer-based Online Point Tracking with Memory](#), International Conference on Learning Representations (*ICLR*), 2025

M. R. Barın, **G. Aydemir**, F. Güney, [Robust Bird's Eye View Segmentation by Adapting DINOv2](#), European Conference on Computer Vision - VCAD Workshop, 2024

G. Aydemir, W. Xie, F. Güney, [Can Visual Foundation Models Achieve Long-term Point Tracking?](#), European Conference on Computer Vision - EVAL-FoMo Workshop, 2024

G. Aydemir, W. Xie, F. Güney, [Self-supervised Object-centric Learning for Videos](#), Conference on Neural Information Processing Systems (*NeurIPS*), 2023

G. Aydemir, A. K. Akan, F. Güney, [ADAPT: Efficient Multi-Agent Trajectory Prediction with Adaptation](#), International Conference on Computer Vision (*ICCV*), 2023

G. Aydemir, A. K. Akan, F. Güney, [Trajectory Forecasting on Temporal Graphs](#), arXiv preprint, arXiv:2207.00255, 2022

PROFESSIONAL SERVICE

Reviewer: CVPR 2024/2025, ICLR 2025, ECCV 2024

Teaching: Teaching assistant at *Computer Vision with Deep Learning*, *Operating Systems*, and *Introduction to Computer Engineering* courses.

ACHIEVEMENTS

Ranked 1st in CENG Demoday 2022 (METU Computer Engineering Department Graduation Project competition) with the project [DIP: Dynamic Insurance Pricing](#)

Ranked within the top 100 in the 2017 National University Entrance Exam over more than 2 million candidates

RESEARCH INTEREST

Point Tracking
Object-Centric Learning
Object Discovery

SKILLS

Programming Languages: Python, C, C++
Libraries and Frameworks: PyTorch, NumPy, Scikit-Learn
Languages: Turkish (Native), English (Professional)