

FURKAN ÇİTİL

AI Enthusiast

Ankara, Turkey, 06400

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EDUCATION

Middle East Technical University

Undergraduate

Department of Electrical Electronics Engineering

October 2019 - June 2024

Overall GPA: 3.23/4

LANGUAGES

Turkish Native

English Fluent (*IELTS Overall Band Score : 7*)

Spanish Beginner

EXPERIENCE

ASELSAN

System Engineer

July 2024 - Present

- Developing real-time detection and tracking algorithms for EO/IR and UV systems, covering geometric/radiometric camera calibration, classification, and multi-sensor integration.
- Ensuring robust performance through end-to-end algorithm design and system-level coordination.

Databoss Security & Analytics

Computer Vision and Machine Learning Engineer

March 2024 - July 2024

- Conducted research on SOTA blind super-resolution algorithms
- Developed and implemented algorithms for remote-sensing applications

METU OGAM (METU Center for Image Analysis)

Undergraduate Researcher

Jan 2023 - June 2024

- Researched on event based vision under the supervision of Aydın Alatan
- Worked on the fusion of event vision sensors and depth cameras for visual navigation

Micropsi Industries

Robotics Software Engineering Internship

July 2023 - Sept 2023

- Worked on software integration of Fanuc robots to the company's existing system MIRAI in infrastructure and robotics teams
- Researched and implemented algorithms for the new feature releases

Kuartis Technology and Consulting

Computer Vision and Machine Learning Engineering Internship

July 2022 - Sept 2022

- Built camera calibration pipeline for a MWIR camera
- Researched and implemented convex optimization algorithms for high speed applications
- Implemented numerical methods for computer vision algorithms to run on FPGAs

SensHero Predictive Maintenance Solutions

Data Science Internship

Agu 2021 - Oct 2021

- Contributed to a project about fault detection in electric transmission lines
- Built models for condition monitoring and predictive maintenance

EXTRA-CURRICULAR

First Place in UORG 2023 Target Tracking (Image Processing and Control)
First Place in UORG 2022 Autonomous UAV Computer Vision Category (Image Processing)
Third Place in UORG 2022 Autonomous UAV Autopilot Category (Algorithm Development)
Second Place in METU VTOL 2020 Sponsored by Boeing (Image Processing and Design)
First Place in International Robot Competition 2020 (Image Processing and Team Presenter)
11th Place in Swarm UAV Competition - TEKNOFEST 2020 (Path Planning)
Google Solution Challenge 2021(Mobile App Development with Flutter)
AdımODTÜ Undergraduate Research Grant Program in 2020-2022
DTS2022 Course as a part of Design Factory Global Network (Interdisciplinary Course in METU)
Deep Learning Study Group # 7 with Inzva (a Turkish Hacker Community)
Mentorship in the IEEE METU, Specifically Robotic and Automation Society (RAS) subdivision

TECHNICAL STRENGTHS

Computer Languages Python, C/C++, MATLAB, Dart
Software & Tools Pytorch, ROS, OpenCV, L^AT_EX, Git, Flutter, Gazebo, Solidworks

CERTIFICATES

Machine Learning by Stanford Online	Credential ID: GY4VF4K9FVLJ
Neural Networks and Deep Learning by deeplearning.ai	Credential ID: 7WW5C7RY4N2Z

LINKS

Website	fcitil.github.io
Github	github.com/fcitil
LinkedIn	linkedin.com/in/fcitil
Kaggle	kaggle.com/furkancitil

REFERENCES

Research Advisor: A. Aydın Alatan
Internship Mentor: Orhan Can Görür