

# 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 algorithms for EO/IR systems

**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 - Present

- Researching on event based vision under the supervision of Aydın Alatan
- Working on the fuse 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

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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)  
11<sup>th</sup> 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

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**Computer Languages** Python, C/C++, MATLAB, Dart  
**Software & Tools** Pytorch, ROS, OpenCV, L<sup>A</sup>T<sub>E</sub>X, Git, Flutter, Gazebo, Solidworks

## CERTIFICATES

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

## LINKS

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<b>Website</b>	<a href="https://fcitil.github.io">fcitil.github.io</a>
<b>Github</b>	<a href="https://github.com/fcitil">github.com/fcitil</a>
<b>LinkedIn</b>	<a href="https://linkedin.com/in/fcitil">linkedin.com/in/fcitil</a>
<b>Kaggle</b>	<a href="https://kaggle.com/furkancitil">kaggle.com/furkancitil</a>

## REFERENCES

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