Can KARAGEDİK

Ankara/Turkey | +90 530 451 17 30
cankaragedik1@gmail.com
github | linkedin
Webpage

Summary

Greetings, I have been working on my own robotics projects equipped with computer vision for last 5 years. Thanks to my mathematical background, I can understand the idea behind all those computer vision algorithms and I can optimize/customize/modify them according to the purpose of the project. I am currently working as a computer vision developer at Airaks Technology Anonymous. I am developing machine learning supported locking and object detection-tracking software for unmanned aerial vehicles.

Skills

Quantitative Research	Mathematical Optimization | Mathematical Modeling | Numerical Analysis
Programming Languages	***Experienced:*** Python ***Familiar:*** C/C++ | C#
Frameworks & Libraries	OpenCV | PyTorch | TensorFlow | keras | Matplotlib | Scikit-learn | Dronekit | MediaPipe | Tesseract OCR
Tools	Fusion360 | Git | Mission Planners

Unsupervised Project

Autonomous Quadcopter

Worked and studied on automatization of a quadcopter designed by me. Main studies were:

- Visual Simultaneous Localization and Mapping(VSLAM)
- Object Detection and Tracking
- Depth Estimation and Obstacle Avoidance with Stereo Cameras
- Autonomous Missions and Precise Landing

Experience

Airaks Technology Anonymous *04.07.2022 to Current*
Computer Vision Developer

- Building CNN Based Object Detection Models From Scratch
- Dynamic Object Tracking on Autonomous UAV System
- Camera Aided High-Precision Landing System for Drones
- Depth Estimation with Stereo Cameras

Education

Middle East Technical University *11.08.2017-13.07.2022)*
Bachelor Degree of Mathematics
Manisa Fatih Anatolian High School *2013 - 2017*

INTERESTS

Defense industry | FPV Quadcopters | General Science | Traditional Archery | Philosophy