

Greetings, my childhood dream at the start was to be a scientist. This dream got refined first into technology and then further into field of robotics. I have been working on my own robotics projects for last 5 years. While studying mathematics, I took formal and informal courses from other departments (especially computer engineering). I studied on algorithm development and image processing/computer vision where I could use my mathematics background. I have also researched and studied mostly practical on electronics, hardware and design, which are essential in robotics development. However, the strength I have is not what I know, but the fact that I know how to learn and research anything. What I know best is to learn.

## TECHNICAL SKILLS

<b>Tools and Languages</b>	Python, C++, C, MATLAB, Git, Fusion360, Mission Controllers
<b>Quantitative Research</b>	Mathematical Optimization, Mathematical Modeling, Numerical Analysis
<b>Additional</b>	Producing technical reports, Reading and understanding technical drawings/schematics/manuals, Soldering, Many sensors and actuators, Using microcontrollers.

## UNSUPERVISED RESEARCH

### Autonomous Quadcopter

Worked and studied on automatization of a quadcopter. The main studies were:

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

## EDUCATION

<b>Bachelor Degree of Mathematics</b> , <i>Middle East Technical University</i>	2018-? (2022 July expected)
<i>Manisa Fatih Anatolian High School</i>	2013 - 2017

## INTERESTS

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

## REFERENCES

References available on request