



Batuhan UZUN

Istanbul/Turkey | +90 *** **

batuhanuzun_@outlook.com

[github](#) | [linkedin](#)

SUMMARY

I am passionate about robotics, vision, perception and intelligence systems. I value good software engineering practices, collaboration and working with people who I can learn from. Some of features are my insistency on projects that i work on, ability of learning anything around me, durability against hard situations.

EDUCATION

KARADENIZ TECHNICAL UNIVERSITY

2017-present

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE - GPA 3.02

MALTEPE ORHANGAZI ANATOLIAN IMAM HATIP HIGH SCHOOL

2012-2017

EXPERIENCE

HANGAR TECH TEAM

Apr 2019 - present

TEAM LEADER

- An autonomous unmanned aircraft vehicle (UAV) has been developed for TeknoFest 2020.

HAVELSAN

Sep 2020 - Oct 2020

INTERN

- Augmented reality tank simulation has been developed with Unity.

TUBITAK

March 2020 - Sep 2020

PYTHON DEVELOPER - PART TIME

- As a scholarship student, a Turkish Python editor was developed with the PyQt5 Framework.

ANIL ELECTRONIC

Jun. 2019 - Sep. 2019

ASSEMBLER

- Fix PCB cards.

PROJECTS

ARTIFICIAL NEURAL NETWORK

MULTILAYER MULTICATEGORY LEARNING RULES

- Visual C++ used in the GUI. The project continues. Single layer single neuron Perceptron and Delta learning rules was implemented with C/C++.

IMAGE PROCESSING ON BITMAP PICTURES

IMAGE SEGMENTATION & CLASSIFICATION, LINE & CIRCLE DETECTION

- Visual C++ used in the GUI. Automatic threshold detection algorithms, feature extraction, object recognition, Canny edge detection, Hough Transform Algorithms are implemented with C.

TARGET DETECTION WITH OPENCV

REAL-TIME RED COLOR TARGET DETECTION

- Implemented in Raspberry Pi 4 with C++ OpenCV Library.

BANK MANAGEMENT SYSTEM

ALLOWS YOU TO MANAGE YOUR BANK ACCOUNTS WITH A SINGLE APPLICATION.

- Implemented with Python(OOP), PyQt5 Framework in GUI, database model in MySQL.

PYTHON EDITOR FOR CHILDREN

A PYTHON EDITOR THAT CAN MAKE EASY TO LEARN PYTHON PROGRAMMING LANGUAGE FOR CHILDREN.

- Implemented with Python, PyQt5 Framework in GUI, database model in MySQL.

WORD HUNTER

DEVELOPING A NEW ALGORITHM BASED ON MASTERMIND GAME.

- It is a desktop application that uses the Qt Framework. The application finds words using the improved Mastermind game algorithm.

ENCRYPTED MAIL SYSTEM

MAIL SYSTEM THAT SENDS YOUR MAIL TEXT IN ENCRYPTED FORM.

- Implemented with C++(OOP) and RSA encryption algorithm.

LIBRARY SYSTEM

LIBRARY CONSOLE APPLICATION WHICH CAN ABLE LIBRARY OPERATIONS (CRUD).

- Implemented with C++(OOP).

SKILLS

PROGRAMMING LANGUAGES *Experienced:* C | C++ | Python *Familiar:* C# | Bash | Java
SOFTWARE DEVELOPMENT Linux | GIT | SQL | Software Design Patterns | Embedded Systems | CLI
FRAMEWORKS & LIBRARIES Qt5 | PyQt5 | OpenCV | Matplotlib | Numpy | Pandas | Scikit-learn
LANGUAGES *Native:* Turkish *Intermediate:* English

COURSES & CERTIFICATES

- Udemy | Python Course From Basic to Advanced
- Udemy | GPU (CUDA) Programming
- Udemy | Machine Learning with Python

EXTRA

- 5th TÜBİTAK International Unmanned Aerial Vehicle Competition - İYC-Kokpit Team - Team leader
- I am the team leader of the projects those are held in Hangar Technology R&D workshop.
- I am currently a member of student clubs those are IEEE and SAVSISTEK(Defence industry club). I usually have duties such as being Python instructor and event organizer.
- I give importance to read books in order to improve myself. Especially historical and world classics.
- I frequently play basketball with my close friends.