

# Ramazan Erdem Uysal

MACHINE LEARNING ENGINEER CANDIDATE

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📄 www.kaggle.com/erdemuysal

📍 Ankara, Turkey

## Experience

### Data Science Intern IntelProbe

13/07/2020–Present Ankara, Turkey

• Received educations on Data Science, Big Data, Signal Processing and Quantum Computing.

### Computer Vision Engineering Trainee Upteko

01/08/2019–01/11/2019 Odense, Denmark

Upteko develops drone technologies for the maritime industry.

• Development of computer vision and image processing algorithms on embedded microcomputers. Used technologies; Python, OpenCV, ROS, Gazebo, Nvidia Jetson Nano.

• Developed an algorithm that gives to the captain a bird view from a UAV and an idea of how far away from the harbor, that prevents the company from hiring a Ph.D. for six months, which causes 40k € saving.

### R&D Engineer (Part-Time)

#### Novumare Technologies

01/01/2019–01/07/2019 Istanbul, Turkey

A company producing USV(Unmanned Surface Vehicle) for the maritime industry.

• Image processing and vision-based software development using Python, OpenCV.

### Intern VESTEL Defence Industry

27/08/2018–25/09/2018 Ankara, Turkey

A high-tech company producing UAV needs of modern armies.

• Researches on communication interfaces such as RS232, RS485, and CAN-BUS.

• Observation of the application of CAN-BUS and RS485 for simulation testing with Matlab Simulink.

### Intern Alp Aviation

09/07/2018–31/07/2018 Eskisehir, Turkey

A high-tech Sikorsky corporation producing of modern aircraft's motor components, dynamic parts & assemblies.

• Application of basic automatic control systems based on relays, switches, encoders, and motors.

• Observation of solutions brought by PLC and SCADA programming.

## Education

### Bachelor of Science

#### Electrical and Electronics Engineering

##### Atilim University

Ankara,

Turkey

2015–2019

CGPA: 3.16/4.0 Honor Student, 100% English education

Specialization Courses;

- Digital Signal Processing
- Digital Image Processing
- Robot Vision
- Advanced Digital Design with HDL
- RF and Microwave Engineering
- Wireless Communication

### Bachelor of Science

#### Electrical Engineering and Computer Science

##### Tampere University of Technology

Tampere,

Finland

2018–2018

Attended Erasmus+ Exchange Program

Courses;

- Introduction to Control
- Microprocessors
- Pattern Recognition and Machine Learning (Master Course/Fail)

## Skills

### Python



### C/C++



### GNU/Linux



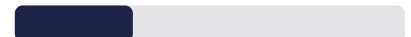
### OpenCV



### PyTorch



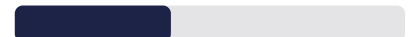
### TensorFlow/Keras



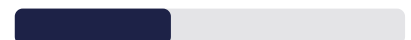
### MATLAB/Simulink



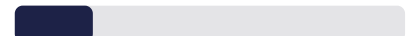
### ROS



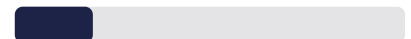
### NumPy/Pandas



### Verilog HDL | FPGA



### Eagle | PCB Design



## Languages

**Turkish** Native or Bilingual Proficiency

**English** Professional Working Proficiency

## Awards

**50 Outstanding Student** Atilim University

2019

**Honor Student** Atilim University

2019

## Projects

### AI-Powered Glasses for Visually Impaired Individuals

#### Engineering Design Project

2019

This project performing as a final year engineering design project supported by the Scientific and Technological Research Council of Turkey (TUBITAK) in the scheme of 2209B Industry-Oriented Undergraduate Graduation Thesis Support Program. With this project, we aimed to provide an easier life for visually impaired people.

Functions of the system;

- Object Recognition
- Colour Recognition
- Facial Expression Analysis
- Indoor Positioning
- Voice Assistant

Technologies; Tensorflow/Keras with Python for Deep Learning (Convolutional Neural Networks) and Speech Synthesis

### Object Detection on Stitched Video Stream

#### Self-project

2019

Performing object detection algorithm on a stitched video stream from two different webcam.

### Brain Tumor Detection

#### Course Project

2019

Digital Image Processing course project. Have done in MATLAB.

### IP Parsing

#### Course Project

2015

Introduction to the programming course project. Written in C++.