Ramazan Erdem Uysal
MACHINE LEARNING ENGINEER CANDIDATE

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🌐 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
Atılım 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

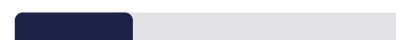| Skill	
Python	████████░░
C/C++	███████░░░
GNU/Linux	███████░░░
OpenCV	███████░░░
PyTorch	█████░░░░░
TensorFlow/Keras	███░░░░░░░
MATLAB/Simulink	█████░░░░░
ROS	████░░░░░░
NumPy/Pandas	████░░░░░░
Apache Hadoop	██░░░░░░░░
Apache Spark	█░░░░░░░░░
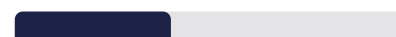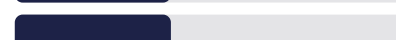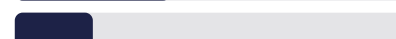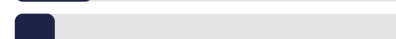
Languages

Turkish   Native or Bilingual Proficiency
English   Professional Working Proficiency

Awards

50 Outstanding Student   Atılım University
2019

Honor Student   Atılım 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++.