Enes Demirağ | CV

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Personal Details

Address: Istanbul, Turkey

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Github: github.com/enesdemirag

Education

Istanbul Technical University	**Turkey**
B.Eng, GPA – 3.01/4.00	*2016 – Present*
Electronics and Communication Engineering	

Liverpool John Moores University	**UK**
Erasmus Exchange Program	*Jan. – June 2019*

Umraniye Anatolian High School	**Turkey**
Graduate	*2012 – 2016*

Work Experience

Intern

Ravinspect Tech   *July – Sept. 2018*

This start-up company is developing drones for visual inspection. By combining Artificial Intelligence and Autonomous Technologies, hard tasks like indoor localisation is possible. As a software intern, I worked on Point Cloud Filtering and Mapping using a Stereo Camera. You can see my work from here.

Intern

DESI Security & Lock Systems   *July – Aug. 2017*

DESI is a manufacturing and RD company dealing with electronic security business. As an electronics intern I worked there about 2 months, practising with electrical components and micro-controllers.

Assistant Student

ITU Department of Information Technology   *Apr. – July 2017*

This department develops all IT needs of university as hardware, software, data communication systems and technical services in our university. I worked 3 months here and I learned many things about Networks and Systems.

Skills

- **Python Programming**
- **Computer Vision** (openCV)
- **Embedded System Programming** (C, C++)
- **Other** (Linux, Git, HTML, UML, Wordpress)

- **Robotics** (ROS, Raspberry Pi)
- **Object Oriented System Design** (Java, C#)
- **Micro-controllers** (Arduino, STM32)

Projects

Software Developer

ITU AUV Team   *Sept. 2018 – Present*

ITU AUV Team is an underwater robotics team, that came together to prepare for competitions around the world. The team had 2 years of experience on underwater robotics. I am currently working on vision systems, developing object detection solutions using Tensorflow and working with ROS. You can see our work from here.

Writer

Saltokunur   *Nov. 2019 – Present*

Its a software magazine that we come together with students of different departments of various universities in Turkey. I'm creating content about Robotics and Computer Vision. You can check our last volume from here.

Student Tutor

ITU Robotics Club   *Oct. 2019 – Nov. 2019*

I gave a Introduction to Programming with Python lecture to 30 students within ITU for 5 weeks. You can see the lecture syllabus from here.

Autonomous Systems Team Member

ITU Racing Team   *Sept. 2017 – Aug. 2018*

Inside Advanced Vehicle Technologies, Autonomous and Power Systems Laboratory of my faculty, I worked on ECU and Ignition System of an Internal Combustion Engine for a while. After that, I worked on LiDAR Systems, Mapping and Point Cloud Processing on a Driverless Racing Car.

Software Team Leader

ITU ROV Team   *Oct. 2016 – Sept. 2018*

The main aim of this project is to develop remotely operated underwater robots in Turkey. I worked on GUI design with C#, motor controlling and embedded systems using C++, communication systems like TCP/IP, i2c, and UART. You can see my work from 2018 and 2019 repositories.

Awards

2018: Teknofest Underwater Systems Competition 4th - Istanbul / Turkey

2018: MATE ROV International Competition 11th - Federal Way, Washington / USA

2018: MATE ROV Regional Competition 1st - Istanbul / Turkey

2017: MATE ROV International Competition 23th - Long Beach, California / USA

2017: MATE ROV Regional Competition 1st - Istanbul / Turkey

Certificates

PCAP: Programming Essentials in Python: Python Institude - Feb. 2019

Deep Learning: IEEE Turkey Computer Society - Mar. 2018

Languages

Turkish: Native Language

English: Advanced

B2 - Grammar
C1 - Reading
C2 - Vocabulary
C1 - Listening Comprehension

Test Results:

ITU Proficiency Exam - 94/100
Online Linguistic Support Level for Erasmus - C1

Organisations

ITU Robotics: This university club has many achievements, tons of opportunity for Research and Development projects with great minds. A cool place for the robot enthusiasts in the ITU campus. I'm in the management board of the community. We provide various workshops and mentoring services for students who wants to practice engineering by building robotics projects.

Caucasus Foundation: It is a non-profit non-governmental organization that works for the protection and development of the socio-cultural identities of the Caucasians in the Turkey. I handle website administration of Ajans Kafkas News Agency voluntarily.

Hobbies

- Horse Riding

- Playing Guitar

- Travelling