

Enes Demirağ | CV

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Personal Details

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Education

Istanbul Technical University

B.Eng, GPA – 3.01/4.00

Electronics and Communication Engineering

Turkey

2016 – Present

Liverpool John Moores University

Erasmus Exchange Program

UK

Jan. – June 2019

Umraniye Anatolian High School

Graduate, GPA – 85.13/100.00

Turkey

2012 – 2016

Work Experience

Intern

Ravinspect Tech

July – Sept. 2018

This start-up company is developing drones for visual inspection processes of air-crafts. Standard procedure of visual inspection of the air-crafts are not cost-effective, safe and efficient. By combining Artificial Intelligence and Autonomous Robot Technology, Ravinspect's drone provides very stable and safe inspection process. As a software intern, I worked on Point Cloud Filtering and Mapping using a Stereo Camera.

Intern

DESI Security & Lock Systems

July – Aug. 2017

DESI is a manufacturing and RD company dealing with electronic security business. It is found in 1985. I worked there about 2 months, practising with electrical components, soldering, 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, Systems, and Software.

Projects

Software Developer

ITU Robotics AUV Team

Sept. 2018 – Present

ITU AUV Team is an underwater robotics team, that came together to prepare for the RoboSub'20 at San Diego. The team had 2 years of experience on underwater robotics. I am currently working on image processing and object detection using deep learning methods.

Autonomous Systems Team Member

ITU Racing Team

Sept. 2017 – Aug. 2018

This is a university team founded in 2007, preparing for the Formula SAE (Student) Competition, which is one of the most prestigious engineering competitions in the world. As a Electronics Team member I worked about 1 year on ECU and Ignition System of an Internal Combustion Engine. After that, I worked about 9 months on LiDAR Systems and Point Cloud Processing on a Driverless Racing Car.

Software Team Leader

ITU ROV Team

Oct. 2016 – Sept. 2018

This is an Underwater Robotics Team which we started with my friends. The main aim of this project is to develop and spread underwater robots in Turkey. The team got first place in Turkey branch of the MATE ROV Competition and attended the international finals in Long Beach, LA. I am one of the founding members. As a Software Team Leader I worked on GUI, motor controlling, communication systems and other specific tasks. Still, I am in contact with team as a mentor.

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

Skills

- | | |
|---|---|
| - Office Programs (Word, Excel, PowerPoint, Visio) | - Robotics (Autonomous Systems, ROS, Raspberry Pi) |
| - Python Programming | - Object Oriented System Design (UML, Java, C#) |
| - Embedded System Programming (C, C++) | - Microcontrollers (Arduino, STM32) |
| - Other (Linux, Git, MATLAB) | |

Certificates

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

Languages

Turkish: Native Language

English: Advanced

B2 - Grammar

C1 - Reading

C2 - Vocabulary

C1 - Listening Comprehension

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 currently giving Python lectures within this community.

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.

Interests

- | | |
|-----------------------|------------------|
| - Horse Riding | - Travelling |
| - Traditional Archery | - Playing Guitar |