ENES DEMİRAĞ

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EDUCATION

Istanbul Tecnical University, Master of Science   Istanbul, Turkey
Computer Engineering   *Feb. 2021 – 2024 (incomplete)*

Istanbul Tecnical University, Bachelor of Engineering   Istanbul, Turkey
Electronics and Communication Engineering – thesis   *Sep. 2016 – Feb. 2021*

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

Ümraniye Anatolian High School   Istanbul, Turkey
                                                                                        2012 – 2016

EXPERIENCE

Chooch   July 2022 – Present
MLOps Engineer
Chooch is a computer vision company based in Silicon Valley. I developed a real-time inference engine, deployed Generative AI models and wrote backend APIs.

Baykar Defence   Aug. 2020 – July 2022
Software Engineer
Baykar Defence is a private Turkish defence company specialising in armed UAVs. I developed an augmented reality system and a real-time video decoding system.I also developed many image processing, video enhancement and filtering techniques. Managed more than 10 different vision based projects as a lead engineer.

PROJECTS

Ravinspect Tech. | *Intern* | repo   July – Sep. 2018
This start-up company is developing drones for visual inspection. I developed a ROS package for point cloud filtering and real-time mapping , worked on stereo vision and visual odometry using ROS environment.

ITU AUV Team | *Software Team Member* | website | repo   Sept. 2018 – Apr. 2020
ITU AUV Team is an underwater robotics team, that came together to prepare a fully autonomous underwater vehicle. I prepared custom dataset for our needs, applied data augmentation, applied training and fine-tuning and deployed on a Nvidia Jetson computer.

ITU ROV Team | *Software Team Leader* | website   Oct. 2016 – Sept. 2018
This is a university team project which we founded with my friends to develop and spread underwater robots in Turkey. We build a Remotely Operated Underwater Vehicle. I managed the software development process as a team leader and worked on computer vision tasks.

ITU Formula Team | *Autonomous Systems Team Member* | website   Sept. 2017 – Aug. 2018
At Advanced Vehicle Technologies, Autonomous and Power Systems Laboratory of my faculty, I worked as a research assistant working on autonomous driving technologies. Worked with LiDAR systems, SLAM and point cloud processing on a self driving car.

SKILLS

● Computer Vision ● Machine Learning ● Autonomous Systems ● Linux Systems ● Python ● C++ ● OpenCV ● OpenGL ● PyTorch ● Tensorflow ● Yolo ● FFmpeg ● Docker ● Kafka ● FastAPI ● Jupiter Notebooks ● Deepstream ● Tritonserver ● Minio ● Celery ● Redis ● Git ● Github Actions ● ROS

LANGUAGES

Turkish : Native
English : Advanced