

Personal Info

Name-Surname : Dilsad UNSAL
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Work Experience

- **07/2017- Still** : **Istanbul Technical University Center for Satellite Communication and Remote Sensing, Istanbul, Turkey.**
Satellite Operations Planning and Programming
Satellite Image Sales
Remote Sensing & Image Processing
Geospatial Data Processing, Analyzing, Analytics
Object Detection with Deep Learning

Education:

Masters Degree : 01/2018 – 09/2021, Istanbul Technical University, Graduate School, Satellite Communication and Remote Sensing.

Master Thesis : “Aircraft Detection from High Resolution Satellite Images with Convolutional Neural Networks” : *Aircraft detection was performed using the HRPlanes dataset consisting of Google Earth images and the Faster RCNN, YOLOv4 and YOLOv5 models. Transfer learning experiments were carried out in a smaller dataset created. It was the first postgraduate study to test YOLOv5 in aircraft detection.*

Bachelors Degree: : 09/2009 – 06/2017, Istanbul Technical University, Faculty of Civil Engineering, Geomatics Engineering.

Bachelors Thesis : “Investigation of Land Cover/Use Change in Antalya with Indexes and Time Series” : *Land cover/land use change in Antalya city was determined by applying NDVI and GNDVI indexes on Landsat 8 images by performing time series analysis. As a result of the study, the consistency of the indexes with each other has also been proven..*

Programlar:

- Python (Intermediate)
- ArcGIS (Advanced)
- QGIS (Advanced)
- Erdas IMAGINE (Advanced)
- ENVI (Advanced)
- PCI Geomatica (Advanced)
- Docker Desktop (Intermediate)
- HyperLabel (Advanced)

- MS Office (Advanced)

Language:

- English (B2)
- Turkish (Advanced)

Internship Experience

- 07/2016 – 09/2016 : Istanbul Technical University Remote Sensing Lab, Digital Elevation Models and Accuracy Analysis, Istanbul, Turkey.
- 06/2014 - 09/2014 : Construction of the 3rd Bosphorus Bridge and Northern Marmara Motorway, Istanbul, Turkey.

Seminars/Certificates

- 04/2019 – Airbus TerraSAR Satellite Training , Istanbul, Turkey.
- 09/2018 - Geographic Information Systems and Image Processing Technologies Workshop, Ankara, Turkey
- 01/2018 - Digital Globe Workshop on Extracting Information from Very High Resolution Satellites and GBDX Platform, Istanbul, Turkey.
- 07/2017 - Airbus Satellite Ground Terminal Operating System Training, Istanbul, Turkey.

References

- Rami H. Hazime - Sales Director, Middle East, Africa, and Russia at Maxar Technologies (GSM: +971 50 851 3083).
- Prof. Dr. Elif SERTEL – Ex-Director of ITU CSCRS and Thesis Advisor (GSM: +90533 360 9035).