

Mustafa Fatih ŞEN

[in linkedin.com/in/mustafa-fatih-sen-b7495b84](https://www.linkedin.com/in/mustafa-fatih-sen-b7495b84)

[@ mustafa.sen@ankageo.com](mailto:mustafa.sen@ankageo.com)

[📍 Eyup Sultan/ Istanbul, Turkey](#)

github.com/mfsen

[+905314956202](tel:+905314956202)



I'm a software developer with over five years of experience in Python and C++ for desktop applications. I have expertise in object detection systems using TensorFlow and creating advanced models. My background in complex algorithms and data structures enables me to develop efficient and effective software. I'm committed to continuous learning, which helps me stay updated with the latest technologies and trends. My technical skills, experience, and dedication to improvement make me a strong candidate for software development roles.

SKILLS

Proramming Python, C++, C, C#

Database MySQL, PostgreSQL

Development tools Visual Studio Code, Docker, Git, Geoserver, Unity

Operating systems Mac OS X, Windows, Linux

WORK EXPERIENCE

- | | |
|--------------------------------|---|
| Present
January 2019 | Software Developer ANKA Geographic Information Technologies, ISTANBUL, TURKEY <ul style="list-style-type: none">> Designed mobile mapping system> Point cloud generation and geo-referencing applications> Image Recognition and object detection applications> Smart traffic management system <div>Python TensorFlow PostgreSQL C</div> |
| June 2017
August 2017 | Research and Development Engineer (Intern) Cukurova Makine Imalat ve ticaret AS., MERSIN, TURKEY <ul style="list-style-type: none">> Worked on CAN Communication Protoc> Scratched 2D drawings on AutoCAD> Product testing <div>AutoCAD</div> |
| June 2016
August 2016 | Technical Intern (Intern) Turkish Air Lines Technic, ISTANBUL, TURKEY <ul style="list-style-type: none">> Repair and maintenance of avionic parts of aircraft |

LANGUAGES

English ● ● ● ● ○
Turkish ● ● ● ● ●

+ STRENGTHS

- > Passionate
- > Motivated
- > Relaxed
- > Problem-Solving

EDUCATION

- | | |
|-------------|--|
| 2013 - 2018 | Bachelor degree in Electric-Electronic Engineering, Abdullah Gul University, Kayseri, TURKEY <ul style="list-style-type: none">> GPA 3.73/4> Graduation project Autonomous object tracking drone |
| 2022 | Master degree in Electronic Engineering, Istanbul Technical University, Istanbul, TURKEY |

PROJETS

We collect point cloud and panoramic image data on 100k km road over the Turkey. I worked on integration of mobile mapping systems, data collection and data processing of this system.

- › Management of 20tb pointcloud data
- › Image Recognition and object detection with tensorflow for automatic assets extraction
- › Panoramic camera design

SMART TRAFFIC MANAGEMENT SYSTEM

2018 - 2021

With the help of Artificial intelligence, we count vehicles and arrange traffic lights on the road.

- › Image Recognition and object detection with tensorflow for vehicle counting
- › Backend desing with python flask for multi-video processing

ROAD PAVEMENT SYSTEM

2021-2022

Object detection and localization of road defects.

- › Image Recognition and object detection with tensorflow for defect detection

URBAN MOBILITY ANALYSIS SYSTEM (SUMO TÜRKİYE ADAPTATION)

2022-2023

Türkiye adaptation of eclipse SUMO project.

- › 3D simulation with unity and user friendly report application added.

“ RÉFÉRENCES

Bulent YILMAZ*Abdullah Gul Univercity, ACADEMICIAN*

@ bulent.yilmaz@agu.edu.tr
☎ +905373408666

Hüseyin Soytürk*SENDEO, SENIOR SOFTWARE DEVELOPER*

@ huseyin.soyturk@sendeo.com.tr
☎ +905368104686