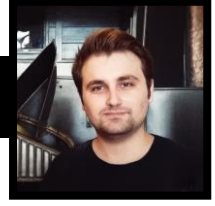


# Hasan ŞENER



Şehit Osman Avcı Mh. Şht. Mahmut Şahin Sk. No:4 Daire: 10 Etimesgut-Ankara

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\* <https://www.linkedin.com/in/hsnsnr>

\* [github.com/snrdevs](https://github.com/snrdevs)

## EXPERIENCE

### Turkish Aerospace Industries

-Test Engineer, 12/2020 – Now

<http://www.tusas.com>

- Structural Testing, Fixed Wing Engineering



### FORD OTOMOTİV SAN. A.Ş.

-Test Engineer, 09/2018 – 12/2020

<http://www.ford.com.tr>

- Durability & Vibration Testing with Shaker
- Control Systems Design, Test Rig Design & Development
- Robotics Software Engineering, C++, Python, ROS, MATLAB, Simulink



-Powertrain Design Engineer, 10/2017 – 09/2018

- Ecotorq Marine 9L Engine Design & Development
- Inhouse Transmission Design & Development

### ASELSAN

-Summer Intern, 07/2016 – 08/2016

<http://www.aselsan.com.tr>

- Modelling aviation parts with PTC Creo and analyzing with ANSYS.
- Observing avionics devices, and helping Avionics Mechanical Design Department



### YB Makina San. Ltd.

-Summer Intern, 06/2016 – 07/2016

<http://www.ybmakina.com/>

- Observation of machining process, learning working principles of machining benches, observing production flow from bulk product to sale, obtaining information about quality & measurement control.



### Sinter Metal Technologies Co.

-Summer Intern, 06/2015 – 09/2015

<http://www.sinter-metal.com/>

- Observation of sintering processes and learning how a part can be manufactured from powder metals for automotive and defence industry.



## EDUCATION

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### Udacity Nanodegree



- ✓ *Robotics Software Engineering Nanodegree, 2019*
- ✓ *Nanodegree Completed in 2019*

### Marmara University, Istanbul, Turkey



- ✓ *Master of Science(MSc.), Mechanical Engineering, Thesis Stage will be finished 01/2022, GPA:3.71*
  - Thesis subject: “Development of a Learning Based Trajectory Tracking Controller
  - Explanation: Development of learning based MPC trajectory tracking controller on high fidelity simulation platform “Carsim”. Methods used in this thesis are Nonlinear & Linear MPC, System Identification via State Space & Recurrent Neural Networks, Adaptive Control, Optimal Control.
- ✓ *Bachelor of Science(BSc.), Mechanical Engineering, 2014, GPA:2.90*
  - Marmara University Intelligent Machine Laboratory
  - Marmara Mechanical Engineering Society (MarmaraMES)

### Kocaeli University, Kocaeli, Turkey



- ✓ *Bachelor of Applied Science(BSc.), Automotive Engineering, 2013*
  - Kocaeli University Research & Development and Innovation Club
  - Transferred to Marmara University at 2014

### Turkish Military Academy, Ankara, Turkey



- ✓ *Bachelor Science(BSc.), 2011*
  - 08/2011 Joining Military Academy, 03/2012 Leave
  - Military Academy Shooting Team – Air Pistol Shooter

### Maltepe Military High School, Izmir, Turkey



- ✓ *Military High School, 2007*
  - Honour Student of Company 11, All years
  - Maltepe Military High School Shooting Team – Air Pistol Shooter, 1<sup>st</sup> year
  - Athletics – Long Jumping Team, 2<sup>nd</sup> & 3<sup>rd</sup> years
  - Band – Snare Drum Team, 4<sup>th</sup> year
  - Computer Project Club – Team Lead, 4<sup>th</sup> year

## SKILLS

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- Expert in Microsoft Office, VBA, Macro, Environmental Testing, Robotics Software Engineering, MATLAB, Simulink, Python, VibrationView
- Professional working level with English,
- Professional working level with ROS, C++, Carsim, Visual Basic, Labview, Solidworks, PTC Creo, AutoCAD, Catia v5, Teamcenter, Simcenter TestLab, Gazebo

## VOLUNTARY WORK EXPERIENCE

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### **makegiteim.com – YouTube Channel**

*Founder*

- This is a project for those who want to learn Programming Languages, CAD, CAM, CAE programs that study in mechanical engineering. By doing this, this project uses YouTube website and its website. This project is totally free and its aim is only help people and make the country better & make people more qualified.



## PAPERS & PUBLICATIONS

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- DPF Aging Tests on Commercial Automotive Catalysts, Savcı İ., Zeren H., Şener H., 2019, Fuel Combustion & Energy Conference – Antalya

## CERTIFICATES

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- Fundamentals of Deep Learning for Computer Vision – Nvidia
  - (<https://courses.nvidia.com/certificates/7cebf34c96814b258a8b66ccc72ad477>)
- Udacity Robotics Software Engineer Certificate, 2019 – Udacity (<https://confirm.udacity.com/92AP7R4>)
- Labview Core 1&2 Training – 2019 – National Instruments
- Electrostatik Deşarj ve Güvenli Taşıma Eğitimi, 2016 – Aselsan
- Aselsan İSG Eğitimi, 2016 – Aselsan
- Teamcenter Designer & Teamcenter VisMockup, 2017– Ford Otosan
- WERS, 2017 – Ford Otosan
- Catia V5, 2017 – Grup Otomasyon
- IELTS, 2017/05 – 6.5/9.0
- YDS, 2017/04 – 76.25

## MORE INFORMATION

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- Interests : Mechanics, Engineering, Programming, Sim Racing, Motorsports, Professional Cycling
- Driving License: Since 31.12.2012, Class:B
- Military Obligation: Exempt, due to education in Military Academy

## REFERENCES

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Prof. Dr. M. Zafer Gül – Marmara University – 542 311 9097

Dr. Uğur Tümerdem – Marmara University - 532 520 0585

Dr. İ. Hakkı Savcı – Ford Otosan - 505 681 0573