



Sena Otlu

Aerospace Engineer-CAD Designer, Solid Mechanics

29 February 1992

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About me

I am an MSc Applied Mechanics student, at Chalmers, interested in the design, analysis, and manufacturing of solid structures, composite materials, and additive manufacturing looking to develop my skills in the industries such as aerospace and automotive.

Skill

CATIA V5

Siemens PLM Teamcenter

Microsoft Office Programs

ANSYS

ABAQUS

MATLAB

SOLIDWORKS

Siemens NX

Turkish

English

Swedish

education

Current	Master's Degree <i>Applied Mechanics</i>	Chalmers University of Technology, Gothenburg, Sweden
2018	Bachelor of Science <i>Aerospace Engineering</i>	Middle East Technical University, Ankara, Turkey

publications

2021	Co-author	Liquid Hydrogen Tanks for Low-Emission Aircraft
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experiences

Current	Amanuens material Science Department	Chalmers University of Technology, Gothenburg, Sweden
2018-2020	Structural Design and CAD Engineer	Turkish Aerospace Industry, Ankara, Turkey

Projects

2021, Applied Mechanics Projects-Liquid Hydrogen Tanks for Low-Emission Aircraft, Chalmers University of Technology: I've contributed to the project with literature research, modeling, and analysis of composite tanks and manufacturing of joints.

2020, Product Development with additive Manufacturing-Heat Exchanger, Chalmers University of Technology: I've contributed to the project with literature research, modeling of heat exchanger with the inspiration of biomimicry.

2018-2020, Turkish Aerospace Industry: I was responsible to design detailed parts of the aircrafts the New Generation Basic Trainer Aircraft (HÜRKUŞ) Development Program and Jet Trainer Aircraft Program (HÜRJET) by considering the analysis parameters as well as production and assembly requirements.

other Activities

Current	Digital Student Ambassador Creator of social media accounts for Chalmers	Chalmers University of Technology
2017-2021	General Secretary Contact person	South East European Orienteering Association
2013-2016	Student Assistant	Middle East Technical University

Hobbies

I've been acting within various sports since I was 10-years-old. I believe this has helped me become a concentrated, self-disciplined, and efficient person in life. Currently I am active member of IFK Göteborg Orienteering. Apart from that, I engage in various activities during my leisure time including bouldering, cycling, and yoga.

References

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