

Ozgur GULSUNA

Undergraduate Student | METU EEE

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📍 Middle East Technical University, Ankara, Turkey

💡 ACADEMIC INTERESTS & RESEARCH

Interests	Robotics & Control, PCB Design, 3D Manufacturing, Quantum Programming
Research	Power Electronics, High Frequency & Power Dense Applications.

🎓 EDUCATION

2018 - **Middle East Technical University | 2nd Year**
B.S., Electrical and Electronics Engineering.
Minor in Mechatronics.

2013 - 2017 **Adana Final High School**
Graduated with 3rd rank.

🛠 SKILLS

Language	Turkish Native
	English Advanced
Software	3D modeling & 3D Printing ★★★★★
	CCS C ★★★★★☆ HTML/CSS ★★★★★☆
	KiCad ★★★★★☆ Altium ★★★★★☆
	Autodesk Fusion 360 ★★★★★☆ Siemens NX ★★★★★☆
	Autodesk 3Ds Max ★★★★★☆ Autodesk Maya ★★★★★☆
Other	Linux/Manjaro, L ^A T _E X, Adobe(Photoshop, Illustrator), OpenOffice(Word, Excel).

📁 EXPERIENCE

2018 - **METU Robotics Society | Clean Energy Team (METU-CET)**
A Team of fresh students who are eager to develop an electric vehicle with high performance in power and efficiency.
 > Electronics Team Member, In charge of Motor driving systems.
 Project : DC-DC Converter design for in-vehicle power distribution.
 Project : Air core axial flux BLDC Motor driver design.
 > Participated in Shell Eco-marathon Europe 2019 (London).
 > Participated in TUBITAK Efficiency Challenge 2019 (Istanbul).
 Proteus Matlab/Simulink CCS C CAN bus

2018 - 2019 **METU Robotics Society | METURONE (UAV Team)**
Initiative of friends gathering to work on an autonomous vehicle for various tasks, required by competitions around the world.
 > In charge of electromechanic assembly, construction and telecommunication.
 > Participated in TEKNOFEST 2018 (Istanbul).
 Fusion 360 SPI I²C 3D Printing

📁 PROJECTS

POLARGRAPH | EXHIBITIONS

2017 - 2019

🔗 ozgurgulsuna.com/polargraph 📄 Presented at TIW! 2017, METU 2019

Polargraph, a drawing-bot which draws over any surface using pen-like utensils. It has its uniqueness in the way that it generates drawings.

Processing(Java) C++ Inkscape Raspberry Pi

TOPOLOGY OPTIMIZATION

2019

🔗 ozgurgulsuna.com/topology-opt

Topology Optimization Project, finite element analysis approach to design visually, practically appealing things.

Fusion 360 Simplify3D