**Elif Merve ÖZALP**

Undergraduate Senior Student of Electrical and Electronics Engineering of Middle East Technical University

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Professional profile

I am a senior student in the Department of Electrical and Electronics Engineering of METU. My interests are electronics, solid state devices, semiconductors, and infrared sensors. I’m working on infrared sensors and semiconductor technologies as an undergraduate researcher. I want to be an academician and a qualified researcher.

Career Summary

**June 2019 – Present Quantum Devices and Nanophotonics Research Laboratory, Ankara**

**Undergraduate Researcher**

*Outline*

As an undergraduate researcher, my goal is to experience research environment and be included on it before graduation.

*Key responsibilities*

* To obtain the necessary theoretical backgroung
* Processing thermal imaging sensors

**June 2019 – July 2019 ESEN System Integration, Ankara**

**Student Intern**

*Outline*

As a summer intern, my goal was to experience a workplace environment and use my theoretical background in industry.

*Key responsibilities*

* Implementation and testing UART module via Kintex KC-705 Evaluation Board and VHDL.
* Implementation and testing HDMI module via Kintex KC-705 Evaluation Board and VHDL.

**May 2018 – June 2019 CEMMETU, Ankara**

**Undergraduate Researcher**

Fullwave optimizations of nanoantenna arrays via MLFMA and Genetic Algorithms

**August 2018 – September 2018 Bozankaya, Ankara**

**Student Intern**

*Outline*

As a summer intern, I’ve observed production and research-development stages of an electrical bus.

**September 2016 – August 2017 Hacettepe University Printed Circuit Board Laboratory, Ankara**

**Student Assistant**

*Key responsibilities*

* Manufacturing printed circuit boards (PCB) by using LPKF
* Manufacturing PCB’s by wet process

**April 2017 – August 2017 Hacettepe University Robotic Society, Ankara**

**Chairman**

**August 2016 – October 2016 POPEYES, Ankara**

**Cashier**

Education and qualifications

**April 2017 – Present Middle East Technical University, B.S.**

Electrical and Electronics Engineering

**August 2015 – August 2017 Hacettepe University, B.S.**

Electrical and Electronics Engineering (Untill I transferred to METU)

Projects and Publications

**Pinball Game Design with Verilog**, METU EEE Logic Design Project, April 2019 – June 2019

**Wireless Communication System Design,** METU EEE Analog Design Project, April 2018 – February 2019

**Solar Tracking System Design,** METU EEE Circuit Laboratory Project, December 2017 – February 2018

Skills

* C Programming
* FPGA Programming with VHDL and Verilog
* Siemens NX

Hobbies

* Flute
* Pilates