

Ayşegül Kılıç

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SKILLS

PROGRAMMING

MATLAB
Python and iPython Notebook
Verilog HDL C
Programming

SELECTED COURSES

Electromagnetic Theory and Waves
Semiconductor Devices and Modelling
Signal and Systems I & II
Digital Electronics
Introduction to Logic Design
Feedback Systems
Analog Electronics

SOFTWARE

Quartus II
Siemens NX
SolidWorks
Keycreator
LTSpice

EDUCATION

ELECTRICAL AND ELECTRONICS ENGINEERING, MAJOR

MIDDLE EAST TECHNICAL
UNIVERSITY

Expected June 2020 | Ankara, TR

cGPA: 3.27/4.00

BUSINESS ADMINISTRATION, MINOR

MIDDLE EAST TECHNICAL
UNIVERSITY

Expected June 2020 | Ankara, TR

MEDICINE

ANKARA UNIVERSITY
2015-16 | Ankara, TR -Leave

PROGRAMS

WORK AND TRAVEL |PROGRAM

Jun 2016 – Sep 2016 | New Jersey, NJ

MCNA NETWORK, IOT |COURSE

Feb 2018 – Jan 2018 | Ankara, TR

EXPERIENCE

CEMMETU | UNDERGRADUATE RESEARCHER

Nov 2018 – | Ankara, TR

- Currently working on a project which implements the basic idea of Electromagnetic Theory to build a high efficiency Wide-band Horn Antenna.

IRIS TELECOMMUNICATION-NOKIA | INTERN

Aug 2018 – Sep 2018 | Ankara, TR

- Fiber Optic Infrastructure Web Mapping Application

PROJECTS

DESIGN OF AN OPTICAL WIRELESS COMMUNICATION SYSTEM:

PHOTO-PHONE | TERM PROJECT

Oct 2018 – Jan 2019 | Ankara, TR

- In this project, I designed wireless communication system which use visible light to transmit sound signals. The project is inspired from Bell's first wireless telephone system.

ONE AXIS HELICOPTER | TERM PROJECT

Mar 2019 – | Ankara, TR

- I am implementing possible control approaches for a one axis "helicopter" by using a simple Arduino microcontroller, a motor driver circuit as well as a simple output measurement circuitry.

WIRELESS FIRE DETECTION SYSTEM | TERM PROJECT

Mar 2018 – Jun 2018 | Ankara, TR

- I designed fire detection system which based on temperature of ambient. The sensing unit and communication unit consists of temperature sensor, wireless communication respectively. Different logic gates used for decision unit.

SOLAR TRACKING SYSTEM | TERM PROJECT

Oct 2017 – Jun 2018 | Ankara, TR

- I designed a single-axis solar tracking system. The actuator of the system is servo motor. Light sensors used for sensing. Depending on the light flux density, the servo motor actuates the panels in order to maximize the energy production.

VOLUNTARY WORK

TEGV |EDUCATIONAL VOLUNTEER

Nov 2018 – Jan 2018 | Ankara, TR

- The objective of TEGV is to provide educational programs and activities to help our elementary education level children become citizens who are loyal to the basic tenets of our republic, who are rational, prudent, self-confident, creative, pacifist, respectful of different beliefs and thoughts, and who do not discriminate based on gender, nationality, religion or language.

LODOS |VOLUNTEER

Feb 2019 – | Ankara, TR

- LODOS is a student community established in METU Cultural Affairs with the aim of providing socially complementary activities for our children with leukaemia and mentally disabled individuals