

Muhammed Samil Arınc

Electrical and Electronics Engineer

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EDUCATION

Bilkent University - Ankara, Turkey	Sep. 2018 - Jun. 2023
Senior Bachelor Student in Electrical and Electronics Engineering	
Friedrich-Alexander-Universität - Erlangen, Germany	Apr. 2022 - Aug. 2022
Erasmus Student for Summer Semester	

ACHIEVEMENTS AND CERTIFICATES

Bilkent University Comprehensive Scholarship	2018 - Current
High Honour Student	Jan. 2020, Jun. 2020
Ranked 562/2.000.000 in National University Entrance Exam (YKS)	Jun. 2018
IELTS Score 7.0/9.0	Feb. 2019

EXPERIENCE

Summer Training at Sensemore - Istanbul, Turkey	Jun. 2021 - Aug. 2021
Implemented communication protocol SMWiredPy which makes chip update easier, Optimized telemetry calculating algorithms, Used C++ and Python.	
Laboratory and Teaching Assistant - Bilkent University	Sep. 2021 - Jan. 2022
Helped students with their laboratory tasks and term projects for EEE102 - Digital Design course, Used VHDL and Vivado.	

EXTRACURRICULAR ACTIVITIES

Instructor of Bilkent Programming Club Python Tutorials	Sep. 2022 - Current
Giving voluntary lectures to Bilkent students	
President of Bilkent Programming Club	Jul. 2021 - Current
Coordinating activities and organizing lectures	
Turtle Project Coordinator	Jul. 2021 - Mar. 2022
Formed and led a team to work on design and manufacture of autonomous car, worked on perception systems using PyTorch and YOLOv5.	
IEEE-Bilkent Student Branch Active Member	Sep. 2019 - Jun. 2020
Participated activities and took active role in some of them.	
Head of Technique at KFLMUN organization	Apr. 2017
Designed webpage and organized technical activities for Model United Nations organization.	

PROJECTS

DL Framework (Project Link)	May. 2022 - Current
Implementing a framework for deep learning applications from scratch. Python and CUDA languages are used.	
Music Genre Classification (Project Link)	Sep. 2021 - Jan. 2022
Implemented different algorithms to classify music genres, Used Mel Spectrograms, Metadata.	
SMWiredPy (Project Link)	Jun. 2021 - Aug. 2021
Binded the entire SMCom protocol from C++ to Python and added functionalities	
Charging Lane	Sep. 2021 - Jan. 2022
Designed a road which has inductors placed under it to provide electric powered cars charge.	
Simple Elevator (Project Link)	Feb. 2021 - Jun. 2021
Designed a basic elevator model with KL25-Z board and simple components.	
Chameleon Robot (Project Link)	Sep. 2020 - Dec. 2020
Created a robot moving with servo legs and changing its color according to floor.	
TRC-10 Transceiver	Mar. 2020 - Jun. 2020
Implemented a simple transceiver circuit with many components.	

LANGUAGES

Turkish(Native), **English**(Professional Working Proficiency), **German**(Beginner), **Arabic**(Beginner)

SKILLS

Extracurricular Courses Taken: Microprocessors, Bio-informatics, Machine Learning, Deep Learning, Robotics
Programming Languages: C, C++, Python, CUDA, VHDL, Assembly, MATLAB, PyTorch, Tensorflow, Swift
Developer Tools: Vivado, VSCode, Anaconda, SolidWorks, Arduino, Linux, Git, Proteus, LTspice