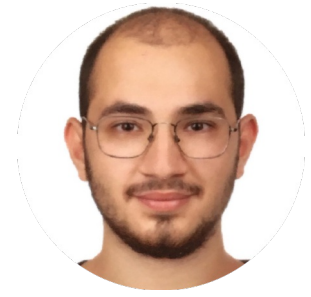


ÖMER GENÇAY



Summary

Electrical and Electronics Engineer utilized solid training in communication systems and embedded systems.

Experience

SATELLITE COMMUNICATION NETWORK ENGINEER

PLAN-S, Ankara | 04/2023 - Present

Ground to Satellite network architecture design

5G VATS R&D ENGINEER

Turkcell, Ankara | 25/04/2022 - Present

5G & Beyond Fellowship Program

RESEARCHER

TUBITAK BILGEM ILTAREN, Ankara | 21/02/2022 - 22/04/2022

RF EW Systems

UNDERGRADUATE R&D ENGINEER

Alaras Telecommunication., Istanbul/Turkey | 01/11/2020 - 01/06/2021

Worked on digitalization of agricultural sector with developing IoT modules and services.

RF SYSTEMS INTERN

TUBITAK BILGEM ILTAREN, Ankara | 21/07/2020 - 03/09/2020

Classified Drone WiFi Signals by using deep learning model like LSTM with the help of MATLAB and Python

EMBEDDED SYSTEM INTERN

Alaras Telecommunication., Istanbul | 01/07/2019 - 28/08/2019

Gained huge information about drones. Designed Power Distribution Board for drones.

Education

MIDDLE EAST TECHNICAL UNIVERSITY

MSc., Ankara/Turkey | 2021 - Present

Electrical-Electronics Engineering(Telecommunication)

MARMARA UNIVERSITY

BSc., Istanbul/Turkey | 2016 - 2021

Electrical- Electronics Engineering

Personal information

Name

Ömer Gençay

Birthdate

15/10/1998

Residence

Ankara/Turkey

IELTS Score

7.0/9.0

ALES Score

90/100

Contact

+905396455196

ogencay98@gmail.com

/omergencay98

/engomer

Foreign Languages

English

German



Programming Language

C

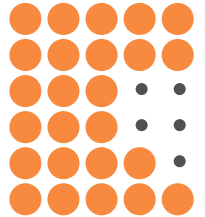
Java

C++

Assembly

SQL

Python



Application Software & Other

Matlab

Altium

Django

Pytorch



Publications

Conference Paper

DESIGNING A SEMANTIC AWARE BLOCKCHAIN ENABLED LP-WAN NETWORK (WORKING PAPER)

Ömer Gençay, Alperen Balci, Elif Uysal | 2023

Part of the Thesis Work, trying to solve Multi-Armed Bandit Problem for LP-WAN Network

Projects

- 01/2023 **PRESENT ALGORITHM IMPLEMENTATION**
METU CNG
A lightweight block cipher
- 01/2023 **LORA RELAY PROJECT**
METU CNG
Prototype of a repeater between the gateway and the end-node
- 12/2022 **TÜBITAK 1004 PROJECT**
METU CNG
SUIT Platform
- 11/2020-06/2021 **NON-DESTRUCTIVE TESTING WITH ACOUSTIC IMAGING**
Marmara University
Designing cost effective and less complex antenna array with selecting suitable array pattern which gain is closer to phased array with a compact system by using STM32F4 series microcontroller
- 03/2021-06/2021 **LIGHT BASED NPK SENSOR**
Alaras Telecommunication
Determining the densities of N-P-K elements in a soil
- 09/2020 **ACTIVE TRACKER**
Alaras Telecommunication
Tracker and data logger module for the vehicles which are used for transportation.
- 11/2019 **THERMOSTAT**
Individual Project
RF Boiler controller assembled on specially designed PCB OmerG Board v.1
- 06/2018 **CREATE YOUR OWN STORY GAME**
Individual Project
Simple TextUI CYOS game made by Unity3D Editor

Volunteering Experience

ORGANIZATION COMMITTEE MEMBER

AIESEC | 10/2016 - 1/2017

Prepared ATEMCO Congress with organization committee for new volunteer workers of AIESEC Company. Learnt crisis management, worked solution oriented, became self-aware tried to be a world citizen.