



# Alptekin PAKSOY

## Electrical-Electronics Engineer

Çankaya, Ankara, Türkiye

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### PROFESSIONAL EXPERIENCE

08/2024 – 09/2024  
Ankara, Türkiye



#### TÜBİTAK UZAY

In my volunteer summer internship, I am interested in satellite power systems, analog circuit design with Ltpspice and Tina TI, and PCB design with Altium.

07/2024 – 08/2024  
Ankara, Türkiye



#### TÜRK TELEKOM

In my second summer internship, I am interested in RF Planning-Optimization and Transmission Systems, base stations and antenna types, antenna tilting, network security, communication technologies (2G, 3G, 4G, 5G).

08/2023 – 08/2023  
Ankara, Türkiye



#### BOTAŞ (Petroleum Pipeline Corporation)

In my first summer internship, I am interested in automation and SCADA systems, PLC, RTU and DCS devices, serial communication ways and Ethernet, MODBUS and DNP-3.0 communication protocols.

### EDUCATION

09/2020 – 06/2025  
Ankara, Türkiye



#### ATILIM UNIVERSITY Electrical and Electronics Engineering (%100 English) (%100 ÖSYM Scholarship)

GPA : 3.57

Area elective courses taken:

- EE306 : Digital Signal Processing
- EE310 : RF and Microwave Engineering
- EE402 : Wireless Communications
- EE449 : Pattern Classification and Sensor Applications
- EE405 : Antennas and Propagation
- EE404 : Radar Systems

02/2023 – 06/2025  
Ankara, Türkiye



#### ATILIM UNIVERSITY Computer Engineering Minor Program (%100 English)

GPA: 2.71

Courses taken:

- CMPE225: Object-Oriented Programming with C++
- CMPE226: Data Structures with C++
- CMPE341: Database Design and Management
- CMPE431: Operating Systems
- SE470: Agile Methods in Software Development
- EE425: Advanced Digital Design with HDL

### PROJECTS

10/2024 – 06/2025



#### TUSAŞ LIFTUP & TUBITAK 2209-B Graduation Project: Datalink Communication Between Unmanned Aerial Vehicles (UAVs)

In this project, I am involved in the wireless communication of unmanned aerial vehicles (UAV's) and encrypted algorithm design using master-slave logic with Raspberry Pi and RF modules. This project has been accepted within the scope of TUSAŞ LIFTUP and TÜBİTAK 2209-B programs.

10/2024 – 07/2025



#### MTA Autonomous Driving Technologies Expertise Program

During this comprehensive training program, I first completed a foundational course consisting of 10 sessions on autonomous driving technologies. Subsequently, I received specialized training at various times from leading organizations in the sector, including FEV, BAYKAR, TÜBİTAK-BİLGEM, TOGG, FORD, ASELSAN, and AVL. Through these experiences, I deepened my knowledge of autonomous driving technologies and developed related projects.

10/2024 – 06/2025



**TEKNOFEST Robotaxi Full-Scale Autonomous Vehicle Competition** I am the leader of the communication and control team in the ready vehicle category of the Robotaxi Full-Scale Autonomous Vehicle Competition. I am interested in wireless communication with CANBUS and PID control algorithms with robot operating systems (ROS).

09/2023 – 06/2024



**TEKNOFEST International Efficiency Challenge Electric Vehicle Races**

I was interested in the design of the battery management system (BMS) of the electric vehicle in the Electromobile category. I worked on the design of an efficient and reliable battery performance by providing electrical isolation of the battery pack and using passive and active balancing methods.

## AWARDS

07/2025

**2024-2025 Spring Semester High Honor Graduation Student**  
Atılım University

01/2025

**2024-2025 Fall Semester High Honor Student**  
Atılım University

06/2024

**2023-2024 Spring Semester Honor Student**  
Atılım University

01/2024

**2023-2024 Fall Semester Honor Student**  
Atılım University

06/2023

**2022-2023 Spring Semester High Honor Student**  
Atılım University

01/2023

**2022-2023 Fall Semester High Honor Student**  
Atılım University

06/2022

**2021-2022 Spring Semester Honor Student**  
Atılım University

01/2022

**2021-2022 Fall Semester Honor Student**  
Atılım University

## VOLUNTEER

09/2022 – 09/2023



**Atılım University Electrical Electronics Society**

As a board member of Atılım University Electrical-Electronics Community, I played an active role in organizing events such as Defense Industry Antenna Design Applications Conference and Hobby Electronic Circuits Soldering Day.

## COMPUTER SKILLS

C	<div><div></div></div>	C++	<div><div></div></div>
MATLAB	<div><div></div></div>	Proteus	<div><div></div></div>
LtSpice	<div><div></div></div>	Microsoft Excel	<div><div></div></div>
Simulink	<div><div></div></div>	Cisco Packet Tracer	<div><div></div></div>
Altium	<div><div></div></div>	AWR Design Environment	<div><div></div></div>
Verilog HDL	<div><div></div></div>	Linux	<div><div></div></div>

## LANGUAGES

Turkish	<div><div></div></div>	English	<div><div></div></div>
German	<div><div></div></div>		

## INTERESTS

- Basketball
- Computer Games