

# Ali Haydar Sucu

Computer Engineering Student | Embedded Software Developer

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*Computer Engineering student at Ankara Yıldırım Beyazıt University with hands-on experience and a passion for embedded software development. Currently working on embedded systems for unmanned marine vehicles. Enthusiastic about Linux and open-source technologies.*

## AREAS OF EXPERTISE

- |              |             |           |
|--------------|-------------|-----------|
| • Python     | • Ardupilot | • MAVLink |
| • Java       | • Pixhawk   | • MAVROS  |
| • Html / CSS | • ROS       | • C       |

## EXPERIENCE

### PUSULA USV TEAM

Embedded Software Developer

Ankara, Türkiye

October 2024–Present

- Designed and implemented autonomous motion algorithms using Python for unmanned marine vehicles.
- Tested algorithms using Ardupilot and QGroundControl.

### Ankara Yıldırım Beyazıt University | Learning and Teaching Center

Bootcamp Tutor & Student Mentor

Ankara, Türkiye

August 2024–Present

- Passionate tutor focused on helping beginners learn fundamentals of front-end web development to college students.
- Committed to creating a supportive and engaging environment where students can understand how the web works and create simple websites.
- Provided technological support and mentorship to engineering freshmen, assisting them under the "Meet Your Student Tech Staff" in AYBÜ ÖĞMER.

### Aybü HEZARFEN Club | Gökçen Rocket Project

Avionics Team Member

Ankara, Türkiye

September 2023 - June 2024

- Conducted field research to determine suitable sensors for the system.
- Contributed to the flight control board and assisted in integrating sensors and components.
- Performed initial testing of the avionics system with the team and documented the avionics system in detail for Teknofest.

## EDUCATION

### ANKARA YILDIRIM BEYAZIT UNIVERSITY

Bachelor of Science, Computer Engineering

September 2023–June 2028 (Expected)

### TEVFIK İLERİ ANATOLIAN IMAM HATİP HIGH SCHOOL

High School Diploma, graduated with the grade of 96.43

September 2019–June 2023

## ADDITIONAL SKILLS & INTERESTS

- Technical certifications: Data Science Bootcamp (from GDSC) , Responsive Web Design (from freeCodeCamp)
- Soft skills: Problem-solving, teamwork, technical documentation, project management
- Languages: Turkish (Native), English (C1), Arabic (A2)
- Interests: Linux, Chess, Reading, Fitness, Embedded systems, Open-source, Creative Writing