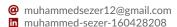
## **MUHAMMED SEZER**

### **Robotics & AI Enthusiast and Engineer**



#90-530-613-61-84
sezer-muhammed

METU, Ankara, TurkeyIMSezerSezerSevval



## IN THIS CV, COLOR MATTERS!

WEB DEVEL-OPMENT

**ROBOTICS** 

ARTIFICIAL IN-TELLIGENCE

**ENTREPRENEURSHIP** 

**ACADEMIC** 

## **EXPERIENCE**

# Account Manager ODTÜ TEKNOKENT

- September 2023 Present
- Ankara, Türkiye
- Management and Oversight of Entrepreneurial Companies
- Development of a Django Backend Supported Website with Chat-GPT Integration
- Implementation of AI for Classification and Visualization of Various Company Statistics
- Achieved an Eightfold Increase in Efficiency

#### Co-Founder & Robotics Engineer

### **Orion Robotics, Robotics Start-up**

- **September 2021 Present**
- Ankara / Turkey
- End-to-End Robotic Development
- ROS2 Package Design & Driver Implementation
- Hardware and Software Testing
- Simulation & Development
- Al Applications
- Entrepreneurship and Sales Experience
- Team Management
- Problem Solving

#### **Swarm Robotics Researcher**

#### Middle East Technical University Robotics Center

- September 2021 Present
- Ankara / Turkey
- Academic Research
- Embedded Mapping
- Sensor Technology
- Data Processing
- Documentation
- Project Management

#### Research Intern

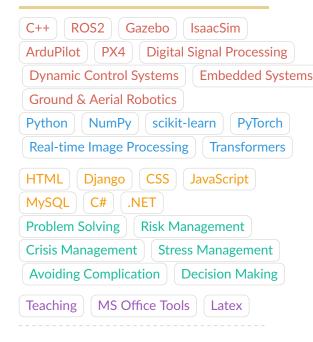
#### **TED University**

- **2**022, Summer
- Ankara / Turkey
- Rehabilitation Robotics Research

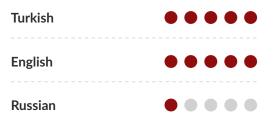
## **ACHIEVEMENTS**

- #1 in Entrepreneurship competition
  Atılım University
- #1 and #2 Artificial Intelligence competition around Turkey
  Teknofest 2022
- #2 Young Entrepreneurs Idea Marathon UNICEF 2023
- Mansion in University Students Research competition
  Tubitak 2242

## **STRENGTHS**



## **LANGUAGES**



- Hardware and Software Development
- User Testing
- Academic Publication

### Part-Time Engineer

#### **TUBITAK**

- **■** September 2021 September 2022 Gebze / Turkey
- Image Processing Algorithms
- Text Extraction and Data Utilization
- Object Detection and Tracking Algorithms
- Data Evaluation and Processing

## **PROJECTS**

### Teknofest Artificial Intelligence Competition **Self-organized Team**

**2021 - 2023** 

- Istanbul / Turkey
- Team Leadership
- Achievement in Al Competition
- Data Preparation
- Algorithm Development
- Implementation of AI Tools
- Django Tool Development
- Django Data Visualization
- Public Contribution and Mentorship

## Mobile Robotic Vehicle Development

#### **Self-managed Project**

- **■** September 2019 September 2022 Ankara / Turkey
- End-to-End Robotic Development
- CAD Design & 3D Modeling
- Production Skills
- Performance Optimization
- Custom Circuit Board Design
- Control System Implementation
- ROS2 Development
- Autonomous Navigation
- Remote Control & Monitoring
- Comprehensive Documentation

## **PUBLICATIONS**

- Journal Articles
  E. Muslu, M. Sezer, A. Okasha, A. E. Turgut, and K. B. Arıkan, "Effect of adaptive assisted exoskeleton control system on motor learning skills," Fırat Üniversitesi Uzay ve Savunma Teknolojileri Dergisi, 2022.
- Ş. Dikkaya and M. Sezer, "Remote sensing in traffic dataset," GitHub repository, 2021.

## **EDUCATION**

B.Sc. in Electrical & Electronics Engineering

#### Middle East Technical University

**2017-2023** 

## REFEREES

#### Prof. Klaus Werner Schmidt

- @ Electrical Electronics Engineering
- schmidt [at] metu.edu.tr

Middle East Technical University

#### Prof. İlkay Ulusoy

- @ Head of Electrical Electronics Engineering
- ✓ ilkay [at] metu.edu.tr

Middle East Technical University

#### Ali Rıza Küçük

- @ Intel Former Regional Consumer Sales Director
- www.kendikocunol.com