Oğuzcan Ege Oğuz
Atılım University
Department of Mechatronics Engineering
06830 İncek, Gölbaşı, Ankara/TURKEY
ege.oguz@atilim.edu.tr
Tel: +90 312 586 80 00

PERSONAL

Date of Birth	1999
Place of Birth	Edirne, Turkey

EDUCATION

2024-Present	Atılım University, Mechatronics Engineering, MSc
2019-2024	Atılım University, Mechatronics Engineering, BSc

ACADEMIC POSITIONS

11/2025-Present	Part-Time Research Engineer, Atılım University Mechatronics Engineering Department

RESEARCH INTERESTS

1	Control Systems Design and Simulation
2	Controller and Observer Design and Optimization
3	Digital Control Systems
4	Robotic System Design
5	Mechatronic Components
6	Dynamic Modeling

PROJECTS

1	Design and Development of Predictive Estimation Algorithm for Non-Measurable Vehicle Dynamic Parameters in a Four-Wheel Drive Electric Vehicle (MSc Thesis – Ongoing)
2	Multi-Axis Motion Analysis System Designed to Support Rehabilitation Processes for Cervical and Spinal Disorders: Measurement Using an Arduino Microcontroller and MPU6050 IMU Sensor, and Interface Development Using the Unity Game Engine (Graduation Project II)
3	TEKNOFEST Model Rocket Competition – 4000 ft Category: Three-Dimensional Payload Design and Definition of Design Criteria, and Coordination Between the Design and Avionics Teams
4	Synchronous Operation of Parallel Directly Coupled Electromechanical Actuators Based on Master–Slave Control Theory (MATLAB/Simulink) and Design of Precision Position Control and Actuator Stabilizers (Siemens NX) (Graduation Project I)
5	Volunteer Mentor for the SERÇEV ROBOTICS Team (VEX V5 Spin Up 2022–2023), Provided volunteer-based mentoring to high school students during preparation for the VEX V5 Spin Up 2022–2023 robotics competition.

6	Design and Development of Predictive Estimation Algorithm for Non-Measurable Vehicle Dynamic Parameters in a Four-Wheel Drive Electric Vehicle 3D Design, Process Optimization, and Structural and Efficiency Analysis of a Smart Recycling Container Unit

COURSES ASSISTED

1	MECE 227 – Sensors and Actuators
2	MECE 416 – Control Systems II