



**Ali Bahadır AYDEMİR**

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**PERSONAL**

<b>Date of Birth</b>	1993
<b>Place of Birth</b>	Ankara, Turkey

**EDUCATION**

<b>2011-2016</b>	Atılım University, Mechatronics Engineering Department, Bachelors Degree
<b>2018-Cont.</b>	Ankara Yıldırım Beyazıt University, Electrical-Electronics Engineering Department, Master

**ACADEMIC POSITIONS**

<b>03/2020-Cont.</b>	Research Assistant, Atılım University Mechatronics Engineering Department
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**RESEARCH INTERESTS**

1	Mechatronics Engineering
2	Control Systems Design
3	Embedded Software Development
4	Robotics Design
5	Mechatronics Instrumentation
6	Bio-inspired Mechatronics
7	Rehabilitation Robotics

**PROJECTS**

1	Self-balancing inverted pendulum modelling, mechanism and controller design and implementation. (Undergraduate)
2	Robotic exoskeleton design for after-stroke rehabilitation (Graduation Project)
3	Color changing and movement mimicking bio-inspired chameleon robot design and implementation (Graduation Project)
4	Vehicle modeling and ABS/ESP system and controller design in Matlab/Simulink (Undergraduate)
5	Unmanned aerial vehicle modelling and controller design for orientation, position and cruise (Undergraduate)
6	Design and implementation of an experiment device for free fall experiment with mobile control application (Master Thesis, Continue)

**COURSES ASSISTED**

1	Signals and Systems
2	Introduction to Electrical Engineering
3	Fundamentals of Mechatronics Engineering
4	Microcontrollers
5	Control Systems
6	Electronic Circuits