

Ahmad Chawk

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Mechatronics Engineer

Experience

R&D Internship, Kaukap Bilişim Teknolojileri

Jul 2021 – Aug 2022

- Developed and edited Arduino mini projects, helped in delivering robotic course material to students.
- Worked on the design and implementation of 3D objects using SolidWorks.

Education

BSc in Mechatronics Engineering from İBÜ, Istanbul

Sep 2019 – Jun 2023

- Bachelor of Science in Mechatronics Engineering
- CGPA: 3.83/4.0 (High Honors, Ranked 2nd)

Extracurricular Activities

CBOT, TEKNOFEST

Oct 2021 – Jun 2022

- Development of an autonomous integrated UAV-USV system to detect and clean sea waste.
- Finalist team among 19,000+ participating teams.

ROBOTICS COMPETITIONS

Mar 2015 – Apr 2019

- FIRST LEGO League, Sumo Robotics.
- Member and leader of robotics teams, participating and winning in national and international championships.

Course Work Projects

- Applying PID and MPC control algorithms on an Interconnected MIMO Quadruple Tanks System.
- Mathematical Modeling and Motion Control using Simulink.
- Modelling of a fully functional bike using SolidWorks.
- Fluid Dynamics Analysis of an Airfoil using Ansys.

Achievements and Rewards

- **Strategy and Innovation Award, FLL Open International Championship - UK** Jun 2017
- **First Place Winner Award, Sumo Robotics Competition - Lebanon** Apr 2017
- **Best Research Award, FLL Open European Championship - Spain** May 2016

Volunteer Work

Iman Boy Scouts

Aug 2009 -Present

- More than a decade of Boy Scout leadership, fostering teamwork and outdoor expertise.

Additional Skills

Languages

- Arabic (native), English (fluent), Turkish (intermediate).

Technical

- Proficient in Microsoft Office apps (Word, PowerPoint, Excel).
- Experienced in MATLAB, SolidWorks, Arduino IDE, Java, and Java Android.
- Familiar with Ansys, Python, Dart, and Flutter.