

# Hadi Menzilcioğlu

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## EDUCATION

<b>Northwestern University</b> <i>Bachelor of Science in Mechanical Engineering</i>	Evanston, IL 2025 – Present
<b>Izmir Bahçeşehir 50th Year Science and Technology High School</b> <i>Math-Science Specialization (GPA: 97.27/100)</i>	Izmir, Türkiye 2020 – 2025

## TECHNICAL SKILLS

- **CAD & Design:** SolidWorks (Advanced), Fusion 360, Mechanical Design, Prototyping.
- **Programming:** Python (Intermediate - Data Structures, Engineering Analysis), MATLAB.
- **Fabrication Tools:** 3D Printing, Machining, Robot Assembly, Electronics Integration, Sheet Metal Design.
- **Languages:** English (Proficient - IELTS Overall 8), Turkish (Native), German (Intermediate).
- **Software:** Microsoft Office Suite (Word, PowerPoint, Excel), LaTeX.

## ENGINEERING & ROBOTICS EXPERIENCE

<b>Northwestern Formula SAE</b> <i>Accumulator Subteam</i>	Evanston, IL 2025 – Present
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- Designed Rear Inverter Enclosure, (Skills: Water Proofing, Sheet Metal).

<b>Antalya Teknofest Team Taşıyıcı</b> <i>Mechanics Lead Finalist</i>	Türkiye 2023 – Present
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- Led the mechanical design and prototyping of a semi-autonomous wheelchair designed to traverse building interiors.
- Directed the fabrication process, integrating mechanical components with autonomous navigation systems.
- Utilized CAD tools to iterate on structural designs for durability and mobility.

<b>FRC Team 4th Dimension (Team 6429)</b> <i>Team Captain &amp; Youth Mentor</i>	Izmir, Türkiye 2021 – Present
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- Captained the most award-winning active Turkish FRC team; led the team to the World Championship Top 6 (Chairman Finalist Award) in Houston, Texas.
- Oversaw the design and assembly of competitive robots, ensuring compliance with strict mechanical constraints and game rules.
- Mentored junior members in CAD modeling, fabrication techniques, and engineering best practices.
- **Awards:** Chairman Award (Haliç Regional 2024, Izmir Regional 2022), Autonomous Award (Haliç Regional 2023).

<b>Solar-Panel Cleaning Robot Project</b> <i>CAD Designer</i>	Türkiye 2022
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- Designed mechanical assemblies for an automated robot capable of cleaning solar panels.
- Created detailed 3D models and technical drawings to guide the manufacturing process.

## SPECIALIZED COURSEWORK & PROGRAMS

<b>Kadir Has University</b>	Istanbul, Türkiye
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- **Winter School (2024):** Assistantship in Mechatronics Engineering; Intro to Industrial Engineering (Outstanding Success).
- **Summer School (2023):** Augmented Chemistry; Mechatronics Engineering and Its Sectors (Outstanding Success).

## COMMUNITY & LEADERSHIP

- **SAF (Steam Azerbaijan Fair):** Team Representative (2024).
- **Türgök (Library for the Visually Impaired):** Member (2024).
- **Educational Volunteers Foundation of Türkiye (TEGV):** Volunteer (2022 – Present).