OUMAR ABDEL AZIZ OUSMAN

Mechatronics Engineer

Contact

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Kocaeli , İzmit ,41040

Education

Master's Degree in Mechatronics Engineering

Kocaeli University – Institute of Science

February 2026 – Present

Bachelor's Degree in Mechatronics Engineering

Tokat Gaziosmanpaşa University

December 2019 – October 2024

GPA: 73,22 / 100

High School Diploma – Science Track (Mathematics and Science)

Lycée de Center Koweitien

September 2016 – August 2019

GPA: 14,94/ 20

Skills

- AutoCAD, SolidWorks.
- PLC (TIA Portal S7-1200) .
- MATLAB.
- Python, Spyder (Machine learning)
- Arduino, Esp32.
- Proteus
- Canva

Languages

- Turkish (Advanced)
- English (Advanced)
- Arabic (Advanced)
- French (Upper intermediate)

Summary

I am Oumar from Chad, born on March 7, 2000, a junior Mechatronics Engineer who is highly interested in robotics, automation, and intelligent systems. I am motivated to learn, develop innovative engineering solutions, and continuously improve my technical and analytical skills.

Work Experience

Airchip Technology Tokat, Türkiye

September 2024 (20 Days Mandatory Internship)

Mechatronics Engineering Intern

- Designed PCB circuits using Proteus software.
- Developed a Smart Cane Project (Arduino + sensors + buzzer + vibration feedback).
- Gained fundamental knowledge in electronics and circuit design.
- Converted schematic diagrams into PCB layouts and conducted circuit verification tests.
- Programmed ultrasonic sensors for obstacle detection.

Tuncay Mühendislik Tokat, Türkiye

October 2024 (20 Days Mandatory Internship)

Mechatronics Engineering Intern

- Studied industrial control panel circuits (contactors, relays, thermal relays, and push buttons).
- Designed and simulated control circuits using CADSimu.
- Learned PLC fundamentals and input/output (I/O) structures.
- Studied motor speed control methods using VFDs.

Chadian Students Association in Tokat (UETTO) – President

April 2022 – August 2023

- Represented and coordinated academic and social activities for a community of 350 students.
- Improved teamwork, leadership, and communication skills through organizational responsibilities.
- Organized student activities and community events.
- Instagram: @uet_tokat

References

Prof.Dr.Sefa TARHAN
University Professor
Tokat Gaziosmanpaşa University
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Assoc. Prof. Dr. Berkant DİNDAR
University Professor
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Phone: +905069819939
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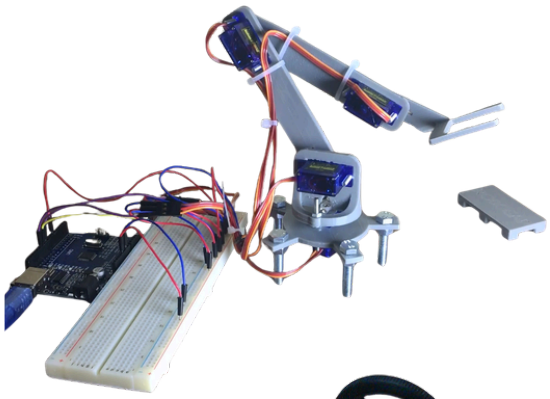
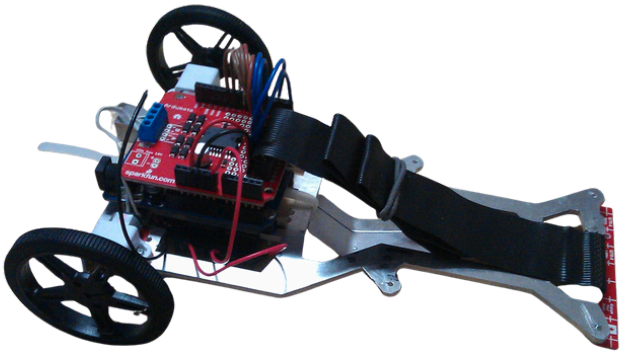
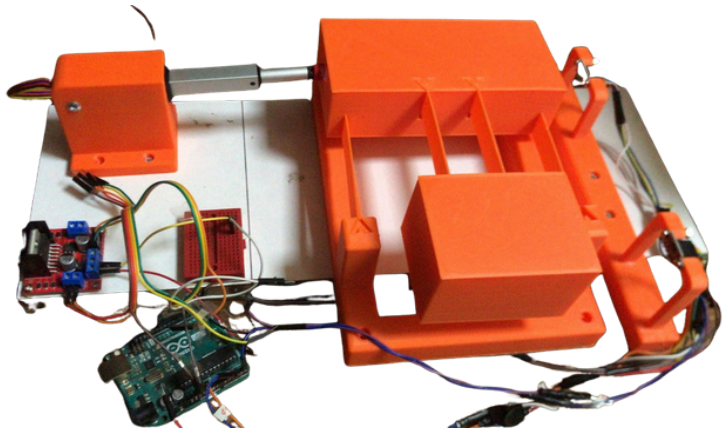
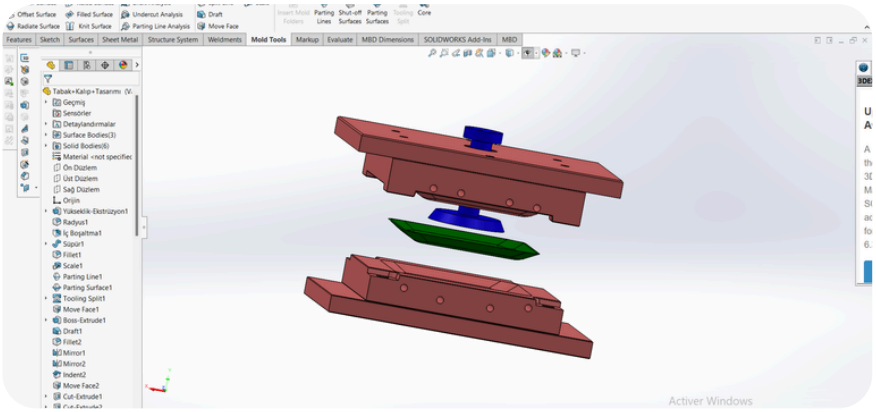
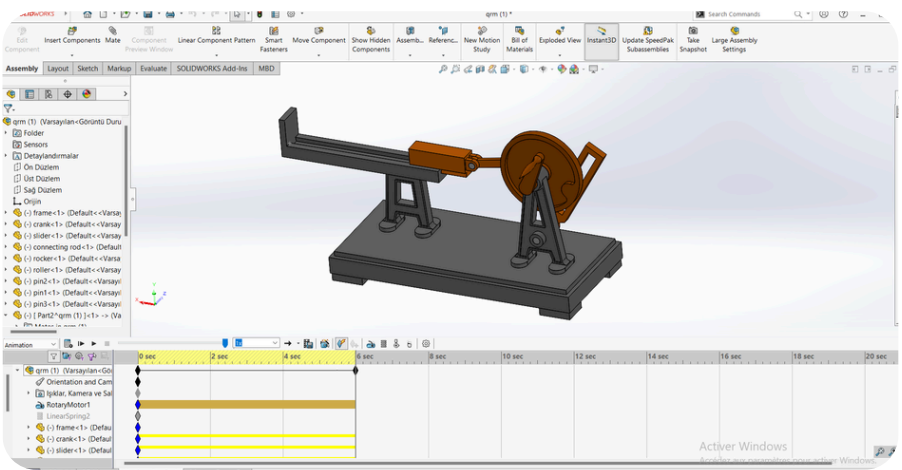
PROJECTS

- Autonomous Line Following Robot (Designed and modeled using SolidWorks).
- Servo Motor Controlled Mini Robotic Arm.
- Mechanism Vibration Measurement .
- Soldiworks Mold Creation and Animation.
- Electronic Nose Projec (Arduino-based system using gas sensors to detect spoiled materials (prototype stage).