



# Omer Elboray

Mechatronics Engineer

## Profile

Experienced Mechatronic Engineer, deeply committed to achieving engineering excellence. Possesses a wealth of knowledge encompassing engineering principles, theories, specifications, and standards. With a track record of delivering complex projects ahead of schedule, I bring a results-driven approach to every endeavor.

### Key Strengths:

- **Project Efficiency:** Demonstrated ability to consistently complete complex projects with exceptional efficiency and meticulous project management skills.
- **Problem-solving:** Recognized for my capacity to identify and analyze challenges, offering innovative mechanical solutions that significantly enhance project outcomes.
- **Manufacturing Oversight:** Proficient in overseeing the manufacturing process of mechanical devices, ensuring precision and maintaining quality throughout production.
- **Collaborative Expertise:** Adept at seamless collaboration within cross-functional teams, working closely with professionals to ensure project successful and timely completion.

I aspire to harness my extensive expertise and proven leadership skills to contribute significantly to innovative projects in Mechatronic Engineering while continually pursuing excellence within the industry.

## Education

### Bachelor of Science in Mechatronic Engineering

Sep 2021 - Feb 2025

University of Debrecen, Debrecen, Hungary

Motivated and dedicated Mechatronics Engineering student with a solid foundation in Robotics, Machine Design, and control systems. Currently pursuing a Bachelor of Science in Mechatronic Engineering at the University of Debrecen, Hungary.

### Key Highlights:

- **Academic Commitment:** Displaying a strong commitment to academic excellence in the field of Mechatronic Engineering, with a specialized focus on Robotics, Machine Design, and control systems.
- **Early Passion:** A lifelong passion for engineering, underscored by active involvement in robotics and machine design projects that began during middle school.
- **Technical Proficiency:** Possessing a comprehensive understanding of robotics, machine design, and control systems, supported by rigorous coursework and hands-on experiences.
- **Innovation-Driven:** Motivated by a relentless pursuit of innovation and a desire to contribute groundbreaking solutions to engineering challenges.

## Personal details



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## Skills

PLC Programming	● ● ● ● ●
Mechanical assembling	● ● ● ● ●
Machine designing	● ● ● ● ●
Robotic simulation	● ● ● ● ●
Production processing	● ● ● ● ●
Electronics	● ● ● ● ●
Computer Skills	● ● ● ● ●
Microsoft Office	● ● ● ● ●

## Languages

English	● ● ● ● ●
Arabic	● ● ● ● ●

## Hobbies

- Robotics and DIY Projects
- Electronics and Circuit Design
- 3D Printing and CAD Design
- Mechanical assembly
- Teaching & Mentoring

## Qualities

- Dedication and Motivation
- Passion for Engineering
- Technical Proficiency
- Problem-Solving Skills
- Teamwork and Collaboration
- Research Aptitude
- Innovation and Creativity
- Communication Skills
- Adaptability
- Leadership Potential
- Continuous Learning
- Responsible
- Persistent
- Management skills

## Employment

### Mechanical Engineering Intern

Jun 2023 - Aug 2023

Renault EG, Alexandria, Egypt

- **Harmonious Blend of Expertise:** My role as an automotive engineer blends theoretical acumen with hands-on proficiency. I've had the privilege of working intimately with over 100 vehicles, where I've not only ensured their maintenance but also enhanced their performance.
- **Skill Set Cultivation:** Through this experience, I've cultivated a rich skill set that spans the entire spectrum of automotive engineering, from design to diagnostics. This immersion in the field has deepened my passion for automotive engineering, driving me to constantly seek innovative solutions.
- **Gratitude for Mentorship:** I owe a sincere debt of gratitude to Renault for their mentorship, which has played a pivotal role in honing my competencies and nurturing my professional growth.
- **Maintenance Efficiency Improvement:** Collaborated with my fellow engineers and interns to implement a comprehensive maintenance strategy, significantly reducing the maintenance time for vehicles by an impressive 20%.

## Courses

### Excel

Sep 2021

- Excel functions, including SUM, AVERAGE, MIN, MAX, COUNT, and IF.
- Ability to use conditional formatting to automatically format cells.
- Knowledge of keyboard shortcuts to make work more efficient.

### Arduino

Feb 2018

- Electricity
- Circuits and schematics
- Arduino IDE
- Arduino boards
- Frequency and duty cycle
- Electronic components
- Programming syntax and semantics
- Programming logic

### Robotics

Mar 2017

- Robot development
- Pcb board designing and production
- Robot programming
- Robotics simulations and sensors

## Certificates

### RoboCupJunior Robotics and Designing Certificate

Aug 2017

#### Certificate from Notions Egypt and Information Technology Institute (ITI)

Received from Information Technology Institute (ITI) and Notions Egypt, renowned as one of Egypt's leading educational organizations in the field of robotics. Acknowledged for consistently garnering outstanding feedback and reviews.