

# Omer Elboray

Mechatronics Engineer

## Personal details

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## Skills

Machine designing ●●●●●

Robotic simulation ●●●●●

Engineering science technology ●●●●●

Mechanical assembling ●●●●●

Computer Skills ●●●●●

PLC Programming ●●●●●

Production processing ●●●●●

Electronics ●●●●●

Microsoft Office ●●●●●

Mathematical skills ●●●●●

## Languages

English ●●●●●

Arabic ●●●●●

## Profile

Aspiring Mechatronics Engineer with a strong foundation in robotics and machine design, currently pursuing studies at the University of Debrecen, Hungary. High school graduate with a 3.48 GPA. Proficient in PLC programming, electronics, and production processing. Committed to launching a successful engineering career while completing academic studies.

## Education

### Bachelor of Science in Mechatronic Engineering

Sep 2021 - Feb 2025

University of Debrecen, Debrecen, Hungary

Dedicated and Highly Motivated Mechatronics Engineering Student with a Strong Foundation in Robotics and Machine Design & controlling. Currently pursuing a Bachelor of Science in Mechatronic Engineering at the University of Debrecen, Hungary. Demonstrated a deep passion for engineering from an early age, actively engaging in robotics and machine design projects since middle school.

### American Diploma Highschool

Sep 2018 - May 2021

Taymour American School, Alexandria, Egypt

Diligent High School Graduate with a strong academic background in scientific subjects, providing a solid foundation for further studies in Mechatronic Engineering. Graduated with a notable GPA of 3.48. High school curriculum focused on rigorous scientific subjects, including Physics I & II, Chemistry, and other scientific disciplines.

## Employment

### Mechanical Engineering Intern

Jun 2023 - Aug 2023

Renault EG, Alexandria

- **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%.

# Hobbies

- Robotics and DIY Projects
- Electronics and Circuit Design
- 3D Printing and CAD Design
- Teaching & Mentoring
- Mechanical assembly
- Reading books
- Sketching
- Swimming & Basketball
- Running
- Traveling
- Guitar
- Online gaming

# Qualities

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

# Certificates

**RoboCupJunior Robotics and Designing Certificate**

**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.

# 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

- Educational course about robot development
- Pcp board designing and producing circuits on it
- Robot programming
- Robotics simulations and sensors

# Extracurricular activities

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## **Basketball Player**

**Sep 2022 - Present**

University of Debrecen, Debrecen ,Hungary

## **Professional Discus thrower**

**Sep 2018 - Aug 2022**

Smouha Sporting Club, Alexandria, Egypt

## **Student Council**

**Sep 2018 - May 2021**

Taymour Amercian School, Alexandria, Egypt

- Contributed to student governance, organizing events, and advocating for student interests.
- Demonstrated leadership, teamwork, and communication skills.
- Led community service projects and successful fundraisers.
- Balanced academic responsibilities with extracurricular commitments.
- Promoted inclusivity and a positive school culture.

## **Volunteering jobs**

**Feb 2016 - May 2021**

Volunteering jobs, Alexandria, Egypt

- Library volunteer. organized +1000 book and printed +2000 sheets helping other students in my school
- Animal shelter volunteer. Collaborated with more than 20 people rescuing the lives of 800+ dogs and cats.

## **Professional Swimmer**

**Mar 2005 - Nov 2019**

Professional Swimmer, Alexandria, Egypt