

Tariq Ziyad Musa Alshalalkeh

Birzeit-Ramallah, Palestine | +972-59-530-9600 | ttt.85285200@gmail.com

Career Objective

Highly motivated Mechatronics Engineering graduate with a robust foundation in mechanical design, control systems, and embedded systems. Passionate about applying technical skills and problem-solving abilities to develop cutting-edge engineering solutions. Seeking an opportunity in a dynamic environment where I can contribute effectively and grow professionally.

Education

Birzeit University, Palestine

Bachelor of Science in Mechatronics Engineering

Graduation Date: July 2024

Skills

Technical Skills:

- Proficient in SolidWorks, AutoCAD, MATLAB, Microsoft Office
- Experienced in mechanical design, control systems, and embedded systems
- Skilled in designing machine elements such as gears, belts, bearings, and shafts
- Competent in implementing control algorithms like PID and robust tracking systems

Soft Skills:

- Strong communication and interpersonal skills
- Team-oriented with excellent cooperation abilities
- Effective problem-solving and critical thinking
- Adaptable with a quick learning curve
- Excellent time management and project management

Projects

Graduation Project:

Event Data Recorder Black Box Analyzer for Enhanced Automotive Safety and Performance

- Developed an innovative system to enhance automotive safety by analyzing data from event recorders.

Design of Wood Cutter Machine:

- Engineered a wood-cutting machine focusing on precision and efficiency, integrating mechanical and control elements.

Control Systems Projects:

- PID Control Algorithm Implementation: Designed and tested control algorithms for applications such as suspension systems and heating devices.
- Robust Tracking System: Developed tracking systems focusing on stability and accuracy for various applications.

Mechanical Design Projects:

- Designed critical machine elements including gears, belts, bearings, and shafts, ensuring reliability and performance.

Embedded Systems Projects:

- Worked on various projects related to embedded systems, sensors, electrical machines, and drives, with a focus on system integration and optimization.

Languages

- Fluent in English (Reading, Writing, Speaking, Listening)