

Riwa Matar

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Objective

Senior mechatronics engineering student seeking an internship to gain essential experience and independence in a professional environment.

Education

BACHELOR OF ENGINEERING | 2018 -PRESENT | RAFIK HARIRI UNIVERSITY

Major: Mechatronics Engineering GPA: 3.5

Minor in Mathematics

EXCHANGE STUDENT | JUL 2017 - AUG 2017 | VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

Summer 2017 - Department of Computer Science

Related Courses

- Control System Design
- Dynamic System Design
- Electric Machines
- Engineering Graphics & CAD
- Introduction to AI
- Introduction to Programming
- Manufacturing Processes
- Measurements & Instrumentation
- Mechanical Design
- Mechanics of Materials
- Mechanisms & Dynamics of Machinery
- Microcontrollers
- Numerical Analysis
- PLC Programming
- Product Design and Development
- Robotics
- Sensors and Actuators
- Vibrations and Acoustics

Experience

INTERN | FISH FARM STARTUP | JAN 2022 – APR 2022

■ Researched fish farm methods to ■ Design and develop an optimized water tank using advanced pumping systems and AI models for an aquaculture startup in Lebanon.

CO-FOUNDER | HEXAFRESH | AUG 2020 – JAN 2022

Co-founded [Hexafresh](#), an energy efficient, eco-friendly, and affordable air-cooling unit with a team of passionate engineers. Since then, participated and received awards in many incubators, including Cleanergy, Berytech and Smart Esa finals. Position: COO. ■ Pitched to investors and jury ■ Communicated with external suppliers ■ Worked on planning and product design.

INTERN | JCC ARACO GROUP | JUN 2020 – AUG 2020

■ Overlooked the maintenance of vehicles ■ Managed and organized vehicle part directory ■ Analyzed problems related to vehicle/part failures

INTERN | THE MAKERS HUB | MAY 2018 – AUG 2018

■ Creating and CAD Models 3D designs ■ 3D printing and woodworking ■ Scheduled events.

EXECUTIVE TEAM MEMBER | ALL GIRLS CODE | JUN 2016 – JUL 2020

■ Planning for workshops and events for members of an award-winning Lebanese initiative that provides young MENA-region women with tech-immersive programs.

Skills & Abilities

- Software: SolidWorks, AutoCAD, Fusion 360, MATLAB, LabVIEW, Arduino IDE, PLC, ANSYS
- Languages: C, C++, Python, Java, JavaScript, Linux Ubuntu, ROS, Ladder Logic
- Microsoft Office: Excel, Word, PowerPoint
- Research and Analysis
- Working independently and in teams
- Excellent Verbal, Written and Presentation Skills
- Excellent time management skills

Languages

- Fluent (verbal and written) in Arabic and English
- Intermediate (verbal and written) in French

References

Professional and academic references available upon request.