

Joseph Maurice El Rakwe

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OBJECTIVE/Profile

Mechanical Engineering student graduated in December 2022. Intelligent, hard worker, reliable, responsible, and principled. Good in time and project management. Value and contribute actively and effectively to teamwork. Eager to start a career in engineering where I can demonstrate my knowledge and skills in my field. Adaptable and keen on continuous learning and professional development.

EDUCATION

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| From 9/2017 to 12/2022 | American University of Beirut Bachelor in Mechanical Engineering Date of Graduation: December 2022 GPA: 3.47/4 or 83.17/100 or A- Honors List for 3 semesters | Beirut, Lebanon |
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EXPERIENCE

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| From 05/23 to 06/23 | Renewable Energy Technology Fundamentals University of Colorado Boulder <ul style="list-style-type: none">• Energy Fundamentals: Basics of Thermodynamics and electricity• Focused mainly on solar and wind energy but went through other technologies.• Renewable Energy storage, economics, and efficiency. | CO/USA (Online) |
| From 02/23 to 03/23 | PLC Training Order Of Engineers and Architects Tripoli-Training Centre <ul style="list-style-type: none">• Studied the components of a system (PLC, VFD, HMI, motor), and learned how to wire them (relays, contactors, fuses, buttons, etc...)• Programmed the components using WPL Soft and DOP soft.• Studied the composition of a motor, then controlled it using an inverter. | Tripoli/Lebanon |
| From 09/20 to 05/21 | Final Year Project American University of Beirut <ul style="list-style-type: none">• Developed and tested the sensor that measures thickness of oil in water.• Set up a prototype of the model physically and virtually (using solid works).• Wrote many computer vision algorithms in MATLAB. | Beirut/Lebanon |
| From 07/20 to 08/20 | Internship AJB Hightech LTD (Honeywell) <ul style="list-style-type: none">• Building management systems (BMS)• Instrumentation and control of AC/HVAC• Programming through CARE• Mapping the light connections in a building | Jdeideh, Lebanon |

PROJECTS ACCOMPLISHED/OR EXTRA CURRICULAR ACTIVITIES

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| <ul style="list-style-type: none">• Smart House• Packaging Mechanism | <ul style="list-style-type: none">• Inverted Pendulum control• Stapler modelling in CREO |
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SKILLS

Languages: Fluent in English and Spoken Arabic with basic knowledge in Written Arabic

Computer Skills: MS Word, Excel, PowerPoint, AutoCAD, Creo, C++, MATLAB, LabVIEW, Care, WPL soft, & DOP Soft.

Technical Skills: BMS, Programming, Design, Manufacturing, Prototyping, Optimization, Research.

Soft Skills: Leadership, Communication, Team building, Organization, Management, Public Speaking.

Hobbies: Karate, piano, gym, swimming, tennis, basketball, squash, jogging, hiking.