

Amin Jaafar *Mechanical Engineering Student*

✉ aminjaafar5@gmail.com ☎ 71 568 774 📍 Beirut, Lebanon 🌐 Amin Jaafar

PROFILE

Detail-oriented and ambitious mechanical engineering student. Seeking an entry-level position in the engineering industry to pursue a career as a Mechanical Engineer and improve my skill set.

PROFESSIONAL EXPERIENCE

Mechanical Design Engineer Internship

3D Maker

Mar 2024 – present | Beirut, Lebanon

- Was responsible for designing and recreating various pieces using SolidWorks
- Helped in pin-pointing and solving problems that we encountered

Mechanical Engineering Internship

MG PoweR

Jul 2022 – Sep 2022 | Beirut, Lebanon

- Hands on experience with electric generators.
- Comprehended the working principle of electric generators along with the design and assembly process.
- Assisted with pinpointing issues and problems that occurred on site and aided in finding a solution.

EDUCATION

Bachelor Degree in Mechanical Engineering

Lebanese University

Sep 2020 – present | Beirut, Lebanon

PROJECTS

COMSOL: Heat Transfer Simulation in a Soldering Iron

- Studied the simulation using both COMSOL and analytical method.
- Overcame obstacles that interfered with the progress of the project.

Vertical Axis Maglev Wind Turbine

- Worked with a team to write a full technical report that includes design, parameters, manufacturing, and assembly.
- Managed to overcome obstacles due to the lack of resources and data.
- Introduced a new concept to fellow students and professors.
- Helped expand the vision and scope of improving renewable energy resources.

MATLAB: Mechanical Vibration

- Writing a code that can solve any type of mechanical vibration system.
- A code that interacts with the user to get specific parameters depending on the system needed

CERTIFICATES

GE Aerospace Explore Engineering virtual experience program on Forage

- Analyzed and compared diverse energy sources
- Conducted in-depth research on bypass ratio and compression ratio and their impact on turbofan engine design
- Developed a technical presentation to effectively communicate the limiting factors associated with bypass and compression ratios

Python Essentials 1 Issued by Cisco

Design, develop, debug, execute, and refactor simple computer programs written in Python 3.

Engineers Without Borders UK Globally Responsible Engineering Job Simulation on Forage

- Planned inclusive co-design sessions for a sensitive project
- Developed effective engagement strategies for diverse stakeholders
- Reviewed ethical arguments in engineering decisions

SKILLS

SolidWorks

FUSION

INVENTOR

AutoCAD

PrusaSlicer

Presentation Skills

Teamwork

Decision-Making

LANGUAGES

- Arabic
- English
- Spanish