

Wadad Ghorab

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CAREER OBJECTIVE

Looking for a challenging position with a firm where I can fully utilize my skills and academic knowledge, while making a significant contribution to the success of the company. I am also looking to upgrade my skills in engineering and meet the demands of the organization.

EDUCATION

Bachelor of Science in Mechanical Engineering

September 2016 – April 2021

American University in Dubai, UAE

Relevant Coursework: Internal Combustion Engines, Design of HVAC Systems, Computer-Aided Mechanical Design, Computational Fluid Dynamics, Design of Robotic Systems

Date of Graduation: **April 2021**

Dean's List: Fall 2016, Spring 2017, Fall 2017, Spring 2018

International School of Choueifat, Abu Dhabi

September 2002 – June 2016

WORK EXPERIENCE

GEMACO Interiors, Abu Dhabi

May 2021 - Current

MEP Intern

- Undertook training to understand HVAC, Firefighting, electrical and data containment systems.
- Reviewed engineering drawings, bill of quantity, material submittals, method statements and risk assessments.
- Accompanied Project Managers to site visits and conducted site surveys.
- Acquired knowledge of required submittals, approvals, contracts, and drawings for civil, architecture and MEP work.

PROFESSIONAL DEVELOPMENT AND TRAINING COURSES

- Student Partner in AEIC's Startup Entrepreneurship Program **December 2020**
 - Pitched idea to panel and received funding for project from Dubai SME.
 - Project consisted of creating a sustainable and affordable air-compressed engine.
 - Worked with mentors and investors.
 - Learned about business modelling, business plan, marketing, finance and building a website.
- Senior Mechanical Engineering Design Project **April 2021**
 - Designed and built an electromagnetic propulsion hyperloop system.
 - Design modeling with the use of engineering software (MATLAB, Solidworks, ANSYS, and AUTOCAD).
 - 3D printing and assembling components.
 - Designing and managing control system using Arduino and Arduino coding.

SKILLS

- **Software:** AutoDesk AUTOCAD, Programming C++, Solidworks (3D assembly, motion analysis), ANSYS Workbench, MathWorks MATLAB/ MATLAB Simulink, MS Office (Word, Excel, PowerPoint), EES, Arduino coding
- **Languages:** English (Fluent), Arabic (Native), French (Basic)
- **Personal Skills:** Good communication skills., Team-driven skills, team's success is the priority whether leading or following, Workflow optimization, Project management skills, Passionate about improvement and excellence.

SUMMARY OF ACHIEVEMENTS

- Acquired the first 100% total grade in Calculus I

April 2017

EXTRA CURRICULAR ACTIVITIES/ VOLUNTEERING EXPERIENCE

- Tutoring children in Math, Chemistry, Physics, Science and English

2017-2021