

# Wadad Ghorab

## Mechanical Engineer



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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 – November 2021

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, project scheduling software.
- **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

**2017-2022**