Abdelrahman Amin yousef

Mechanical Engineer

Reliable Mechanical Engineer with excellent problem-solving skills and great knowledge in Mechanical Engineering approaches, principles and CAD software's. Skilled at designing and implementing wide range of designs according to specifications using digital fabrication.

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fabacademy.org/2022/labs/techworks/students/amin-yousef/index.html

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SKILLS

- Leadership
- Time Management skills
- Communication Skills
- CREO & SolidWorks &Fusion 360 (Excellent)
- Ansys- Static Structure (Very Good)
- Microsoft Office (Very Good)
- Adobe Photoshop (Very Good)
- PCB Design (Good)

LANGUAGES

Arabic
Native or Bilingual Proficiency

English
Professional Working Proficiency

INTERESTS

- Self- improvement
- Research
- Robotics

EDUCATION

Fab Academy Program "Diploma"
Fab Foundation

01/2022 - 06/2022

Courses

- digital fabrication
- Design

Bachelor of Science in Mechanical Engineering
University Of Jordan

09/2016 - 09/2021 *3.21*

Courses

- Strength of Material
- CAD
- Mechatronics Design
- Mechanical Design 1&2
- Finite Element
- Material Science

WORK EXPERIENCE

Digital Fabrication Intern
TechWorks

07/2021 - 01/2022

TechWorks is the Crown Prince Foundation's core innovation platform that enables individuals and companies to bring their ideas to life.

Achievements/Tasks

- Fabricate different 3D models using 3D printers such as: gears, kinetic sculptures, etc...
- Work on Laser Cutters & CNC machine to produce masterpieces and Furniture .
- Create molds and Soft Robotics .
- Experience in digital fabrication machine.

Contact : Qusai Tarawneh - Team Leader - 0791000116

ORGANIZATIONS

Innovation and Entrepreneurship Center (01/2019 - 08/2019)

Organizing Events by making schedules and budget plans, creating attendance lists, arrange meetings and welcome guests

PERSONAL PROJECTS

Design and Fabricate a self assembly robot "Modular Robot "(09/2020 - 07/2021)

- A self assembly robot consists of a group of similar cells (Main part), each cell has five degrees of freedom. These cells are formed according to the shape and required function. The project involved: Cell design using Cero, model fabrication, control circuit design and simulation using Ansys.

Design a Foldable home gym machine (09/2020 - 10/2020)

- The machine design involved: CAD model of the machine using SolidWorks, Finite element analysis using SolidWorks and Ansys, Design optimization to reduce the cost of production taking into consideration dynamic load and dimension requirement

Design and Fabricate a clay forming machine (04/2022-Present)

- Clay forming machine is a 4 axis CNC with rotating disc which designed with the motive of automating the process of forming clay, the most important of which is accelerating the production process and increasing accuracy.