Abbas Baydoun

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OBJECTIVE

An Internship Opportunity

EDUCATION

LAU Lebanese American University, Beirut
Bachelor of Engineering, Mechanical Engineering
Expected Graduation May, 2023   *CGPA: 3.89/4.00*   *MGPA: 3.95/4.00*

COMPUTER SKILLS

Softwares : Microsotf Office, Solidworks, Ansys cfd, Simulink
Programming Languages : Intermediate at C++, Matlab, Labview, Familiar with Java Python

PROJECTS

1- Water Heater control system   **October 2021**

Design and simulation of a PID control system for a water heater.
- **Technology/Tools:** Matlab, Simulink

2- Remote Control Car Design   **December 2020**

A detailed SolidWorks design for a remote control car with stress and motion analysis.
- **Technology/Tools:** Solidworks

3- CPU Heat Sink   **May 2021**

A heat sink design for a CPU with the appropriate heat simulation and analysis.
- **Technology/Tools:** Excel, Solidworks

4- Heat Exchanger Desing   **October 2021**

Design and simulation of a double-pipe counter-flow heat exchanger.
- **Technology/Tools:** Ansys cfd

CERTIFICATION
- **Certified Associate SolidWorks Designer**

ACED RELEVANT COURSES
- Introduction to Object Oriented Programming
- Thermodynamics
- Fluid mechanics
- Manufacturing Processes
- Computer Aided Design
- Heat Transfer
- Instrumentation
- Material Properties
- Strength of Materials
- Kinematics of machines
- Introduction to sustainable engineering
- Control systems
- Mechanical vibrations
- Thermal system design

Completed Labs
- Fluid Mechanics Lab
- Heat Transfer Lab
- Instrumentation Lab
- Control Systems Lab

- Mechanical Vibrations Lab
- Manufacturing Lab

Accomplishments
- Participated in IEEEXtreme 2021 and ranked top 5%.
- Participated in LCPC 2021 (Lebanese Collegiate Programming Competition), ranked 4th in Lebanon, and qualified for ACPC 2021(Africa and Arab Collegiate Programming Competition).

ADDITIONAL ACTIVITIES
- Have been practicing and learning programming for the the past 2 years.
- Currently learning Robotics with ROS to undergo an undergraduate research.
- Enrolled in LAU's Honors Program
- Team member in LAU Programming Team
- Volunteering experience at ACPC Arab Collegiate Programming Competition, 2020
- Part time job at RNL Riyad Nassar Library at LAU during spring semester, 2020.

LANGUAGES
- English: Fluent
- Arabic: Fluent

INTERESTS
- Computer Aided Design (CAD)
- Computer Aided Machining and Simulation
- Competitive Programming