



Mohammad Abdallah Aljazzazi

Jordanian.

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Objective: a mechanical engineer, who has been awarded globally and locally in mechanical engineering field, and the top of his class with a GPA of 3.87/4. Seeking for developing myself and my community to make my dream comes true. The total experience in the field is nearly 2 years; most of it, was in military technology and design. Have been elected to represent the university in many occasions. Staffordshire University in the UK elected me to have 6 months grant. A team leader of many projects. I am highly motivated for the technology, I am a self-learner and have a dream.

Education:

Mechanical Engineering BSc at Al Hussein Technical University (HTU), Amman, Jordan 10/2017 – Present

Mechanical Engineering BSc at Staffordshire University (Erasmus Exchange) 9/2019 – 2/2020

Education certificate:

- The UK BTEC Higher Nationality level 5 in mechanical engineering.
- Bachelor degree in mechanical engineering at Al Hussein Technical University (HTU) with GPA 3.87/4
- Staffordshire University research and 1 semester studying.

Work Experience:

- Maani PREFAB company (Trainee engineer, 9/2018, Amman-Jordan).
- JODDB VR Department (Trainee engineer, 1/2019-8/2019, Amman-Jordan).
- JODDB-Jordan Manufacturing Light Vehicles (JLVM) (Mechanical design trainee engineer 7/2020-3/2021).

Workshops, conferences and trainings:

1. Thermodynamics and dynamics fluid training at Grenoble Alpes University: about how to make the solar panels more efficient and use building to reflect solar waves on solar panels. Grenoble, France (6/2019).
2. VR training with KADDB VR department (9/2018): it was about involving engineering with its various fields into Virtual Reality to raise efficiency of engineering, then it ended with a project, my project was about lean manufacturing and management.
3. Wind energy workshop in Aqaba, Jordan (5/2019): we have taken the theoretical part at HTU, we have learnt how to select set of lands to establish wind turbines or solar panels, the practical part was in Aqaba.
4. Al Hussein Technical University conferences: Official Speaker about the future of 4th Industrial Revolution and Manufacturing.

5. Erasmus Exchange in Staffordshire University, Stoke-On-Trent, UK (9/2019): to study one semester and to do a research, the research was:
 - Wireless Sensor Network (WSN), and Data Acquisition System Based on NI USB-6211 Kit.
 - Modelling and Measuring Industrial System, using electronics and PLC.
6. SOFEX 2018: I received an invitation to attend one of the biggest Military Technology Conference and Exhibition in the middle east.
7. Had a booth Warrior Competition 2019 at KASOTC School: I was representing KADDB, VR department, to present a VR Project based on military technology and mechanics.
8. EON-XR training: VR & simulation workshop for distance learning and teaching using virtual labs.
9. Boeing Competition winner (12/2020): I won a prize for my project about VR and Lean Manufacturing.
10. Had the best design of sanitizing gate at the university during the pandemic. (4/2020).
11. Bitcoin Jo Winner. (2/2021): my project, VR & Lean manufacturing, has been elected to be funded by Erasmus and I will get a fellowship up to 2 weeks.
12. VR & Manufacturing Research (at HTU).
13. Non-imagine Fresnel Lens Research (at University of North Texas): which has done in collaboration with a PhD candidate.
14. Leadership Boot-camp: it was mainly about being a leader and working for the good common in our community. Also, managing teams, and leading them to a unified vision.

Certificates:

1. IBM Applied AI certificate.
2. The finite Element Methods for Problems in Physics certificate, University of Michigan.
3. Data-Driven Astronomy, The University of Sydney.

Affiliation, other experiences:

1. Contributing organization team of the university and giving lectures for students.
2. The head of science department of Mechanical Engineering Club (MEC) at HTU.
4. Member at IEEE.
5. Designing and manufacturing UAVs' Jet Engine research (graduation project).
6. Team leader of FSAE Mechanical Team.
7. Founder and mechanical department head of Aerosquad Club.
8. Founder and vice president of Mechanical Engineering Club.
9. Part time lecturer at HTU to teach students in UAV designing, coding, and other mechanical materials.

Technical Skills:

1. Highly proficient in using Microsoft Office applications for more than 7 years.
2. Scripting with 4 languages C/C++, Python and C#.
3. Designing with 4 CAD programs (Solid Works, Creo, Inventor and AutoCAD).
4. Programming and assembling Arduino, Raspberry pi.
5. Programming MatLab and Octave.
6. PLC programming and assembling.
7. Virtual Engineering coding and doing stress analysis finite element, and VR simulation.
8. CFD Analysis using Ansys and Solidworks.
9. Writing scientific papers to get published.

10. Hourly Analysis Program (HAP).
11. Unity 3D.
12. FEA Analysis.
13. A technician and perfectly, dealing with manufacturing machine such as, lathing, casting, welding, etc...

Main Projects:

1. Turbojet Engine of UAVs: I created a team to design our turbojet engine. we have designed 2 jet engines one of them is 16kg force thrust, and the second is axial compressor with 4kN thrust. The second design has been funded by JOddb, JALCO & Boeing.
2. FSAE: I am the mechanical team leader, and responsible about chassis design and analysis, dynamics and control, and suspension system design.
3. VR & Lean Manufacturing: to implement the factories and engineering in a virtual environment to decrease waste, time, effort, and money.

Skills:

Accomplishment, precision, integrity and honesty, presentation skills and reporting skills, self-learning, computer skills & loving technologies, good communication skills and leadership.

Languages:

Arabic (mother tongue), English (C1)

References:

Prof. Ahmad BaniYounes: Ahmad.BaniYounes@htu.edu.jo (Associate professor at San Diego University)

Mr. Haitham Bader: h.bader@jlvmlc.com (Mechanical engineering design chief head at JLVM)