RESUME

Mohammed Al Malallah

Mechanical Engineer

moh.almalallah@gmail.com +966540696192
Eastern Province, Saudi Arabia Saudi

SUMMARY

Mechanical Engineer with analytical, functional skills. Motivated, ambitious, and hardworking. Solid record in problem-solving, decision making, and analytical thinking. Eager to improve engineering experience through working in a supportive environment. Keen to be in an organization where functionality and operation are required to achieve better results and exceed expectations. Open to new opportunities and willing to relocate/travel.

WORK EXPERIENCE

Production Supervisor

Cosmetica Laboratories INC

Jun **2018** - Mar **2020**

Toronto, Canada

Responsible for overseeing and organizing the equipment, staff, and processes on a production floor.

Machine Operator

Cosmetica Laboratories INC

Feb **2018** - Jun **2018**

Toronto, Canada

To operate multiple pieces of equipment on an assembly line in an efficient and safe manner with minimal support.

Quality Engineer

CT Restore

Oct **2017** - Jan **2018**

Toronto, Canada

Works within the quality team to ensure the overall quality of a manufactured product and is tasked with creating documentation, devising quality tests and defining the criteria a test result should meet.

Machine Operator

ITN Food Corporation

Jun **2016** - Dec **2016**

Toronto, Canada

Set-up, operate, and maintain machinery. Also, responsible for ensuring the machine produces high quality products, runs smoothly and at capacity, and is properly maintained.

Salesperson

Canadian Fine Motors

Sep **2012** - May **2016**

Toronto, Canada

Sells vehicles as well as value-adding services such as maintenance plans and warranties to customers. Also, assist potential customers by matching their desires, needs, and budget to the appropriate vehicle.

EDUCATION

Mechanical Engineering

University of Ontario Institute of Technology

Sep **2012** - May **2017**

Oshawa, Canada

Bachelor Degree of Mechanical Engineering (BEng)

PERSONAL SKILLS

Leadership	Communication
Self-motivation	Decision Making
Multitasking	Time management

COURSES

- *Technical Communications* -**Engineering Graphic and Design**
-**Structure and Properties of Materials** - *Thermodynamics*
- *Electric Circuits* -**Solid Mechanics**
-**Dynamics** - *Fluid Mechanics*
- *Manufacturing and Production Process* -**Computer-Aided Design**
-**Control System** - *Engineering Economics*
- *Mechanical Vibration* -**Machine Design**
-**Mechatronics** - *Heat Transfer*
- *Robotics and Automation* -**C**
-**C++** - *MATLAB*
- *Siemens NX* -**Thermal Environment Engineering**
-**Sustainable & Alternative Energy Technology** - *Statics*
- *Statistics and Probability for Engineers* -**Social Problems**
-**Psychology** - *Numerical Methods*
- *Life Cycle Engineering* -**Kinematics and Dynamics of Machines**
-**Introduction to Programming** - *Introduction to Energy Systems*
- *Fossil Fuel Energy Conversion* -**Fluid Power Systems**
-**Ethics, Law and Profession for Engineers** - *Environmental Science*
- *Engineering Operation & Project Management* -**Engineering Economics**
-**Concurrent Engineering and Design** - *Applied Thermal & Fluids Engineering*
- *Electromechanical Energy Conversion* -**Combustion & Engines**
-**Impact of Science & Technology on Society**

RELEVANT PROJECTS

Sound Pressure Levels and Reverberation Room

- The main objective of this project is to design and develop an acoustic impedance tube for testing a new compact sound silencer

Design and Development of a Pulsating Source for Investigation of Acoustic Pressure Pulsations in Piping Systems

- The main objective of this project is to develop a pulsating source to excite acoustic pressure pulsations with controlled frequency and amplitude to investigate their effects on the structural integrity of the piping system.

Flow-Sound Interaction Mechanisms and Control Strategies

- The main objective of this research program is to investigate the fundamental mechanisms of flow-sound interaction in tube bundles with full arrays of both bare and finned cylinders, and develop practical control strategies to alleviate the occurrence of acoustic resonance.

Investigation of Flanking Noise Transmission in Concrete and Multilayered Composite Structures

- The main objective of this project is to investigate the flanking noise transmission issues in the recently commissioned Vibro-Acoustics laboratory and develop a mitigation technique that can be used effectively to eliminate the flanking noise paths and resolve components in the facility set-up that do not allow a full spectrum of performance measurement.

Noise Characterization and Reduction Techniques for a Display Unit

- The main objective of this project is to characterize and improve the acoustic performance of commercial digital display units while maintaining the use of direct air flow cooling system via a series of axial fans.

Assessment of Dynamic Seat Comfort for Aerospace Applications

- The main objective is to develop an experimental program to investigate the dynamic characteristics of aircraft seats and develop a criterion that can be used to effectively correlate these characteristics with the human perception of comfort, and thereby improve the dynamic seat comfort.

VOLUNTEER EXPERIENCE

Private Tutor

- High Schools
- Sep 2012 - Present

Counselor

- Live Green Toronto Volunteers
- Jan 2018 - Jan 2020

Lifeguard/Instructor

- Centennial Pool & Richmond Green Camps
- April 2019 - Sep 2019

Executive Academic Support

- The Students Association at Durham College & UOIT
- Sep 2013 - May 2017

Vice President

- Saudi Students Association of Oshawa
- Jan 2016 - Dec 2016

EXTRACURRICULAR ACTIVITIES & MEMBERSHIP

- UOIT Students Association - (Member)
- UOIT Engineering Students - (Member)
- Saudi Students Association of Canada - (Member)
- The Canadian Society for Mechanical Engineering - (Member)
- Association of Climate Change Officers - (Member)
- North American Association for Environmental Education - (Member)