

QASIM ALQASIM

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MECHANICAL ENGINEER

Summary: Recent graduate of esteemed mechanical engineering degree program pursuing entry-level position in engineering industry. Ambitious professional eager to launch career and apply knowledge of programming, design tools, CAD, project management, and technical reporting. Valued team player with exceptional leadership and communication exhibited in competitions assessing prototype design, assembly, and testing abilities. Equipped to work in multiple fields such as biomechanics, aeronautics, structural applications, and energy transfer. Bilingual (fluent in English and Arabic). *Strengths and interests include:*

Mechanical Design • Engineering Modification • CNC Machining • Tolerance • HVAC • 3D Printing
Statistical Analysis • Robotics & Automation • Data Analysis • Quality Assurance • Customer Service • Modifications

Technical Skills: SOLIDWORKS, AutoCAD, MS Office Suite, Matlab

EDUCATION & PROFESSIONAL CREDENTIAL

BS – Mechanical Engineering (Business Administration Minor) – Eastern Washington University, Cheney, WA (2020)
Dean's List; President of ASME Engineering Club (The American Society of Mechanical Engineers Student Chapter)

AS – Mechanical Pre-Engineering – Green River College, Auburn, WA

SolidWorks Certified CSWE – Mechanical Design

RELEVANT COURSEWORK & PROJECT HIGHLIGHTS

Student • EASTERN WASHINGTON UNIVERSITY • Cheney, WA 2018–2020

Completed numerous courses including Statics, Dynamics, SOLIDWORKS, Robotics, Mechatronics, Mechanics of Materials, Fluid Mechanics, Thermodynamics, HVAC, Finite Element Analysis, and Advanced Robotics and Automation. Overcame wide range of engineering challenges within standards by employing principles of engineering, science, and mathematics. Designed and conducted experiments to evaluate data for results based on engineering judgment and Good Manufacturing Practices (GMP).

- **ASME E-Fests:** In 2019, won 1st place in design, report, and track time in Innovative Additive Manufacturing 3D (IAM3D) competition. Competed as member of ASME club to create emergency-resupply hovercraft and test under demanding conditions. Crafted to operate remotely, fit in 24 sq. in. cube, fly around obstacle course, and lift small loads.
 - **HPVC (Human Powered Vehicle Challenge):** Contributed to bicycle prototype construction by utilizing SOLIDWORKS computer programming.
 - **National IMECE (International Mechanical Engineering Congress & Exposition) Competition:** Earned 5th place as group, contributing to model blueprint and assembly in SOLIDWORKS for pick-and-place robot.
- **Capstone Project:** In 2018, participated as team in Baja SAE for mini-Baja suspension challenge to fabricate suspension system optimal for off-road use and distant travel. Provided diagrams with geometric dimensioning and tolerancing (GD&T) for front A-arms and mounting tabs, manufacturing needed parts with lathe. Put together bill of materials (BOM) needed to complete the project. Assisted in assembling cart hubs, A-arm, suspension, and tires.
- **ASME Club:** In 2019 – 2020 held position as club president. Gained experience in management overseeing multiple design projects for competition and the transitioning of the club to an Online format during the last quarter due to the Corona Virus pandemic.

WORK EXPERIENCE

Field Service Technician • EnerSys • Sumner, WA 2021 – Present

Provide technical and application support for EnerSys products and services, replace and service reserve power batteries, in the assigned area against profitable margins and in line with the business plan, in order to contribute to the realization of service-related sales and service targets.

Automotive Service Technician • CHEVROLET • Bellevue, WA 2021

Perform inspections, maintenance, and repairs on electric, gas, hybrid, and alternative-fuel motor vehicles. Assess cars to determine if additional safety and service work is needed. Communicate with parts department to acquire necessary equipment. Notify service advisor if extra work is not required or if restorations cannot be completed on time. Understand and follow federal, state, and local regulations as well as company policies and procedures.

Consultant ▪ AIRTECH HVAC SERVICES ▪ Oak Lawn, IL

2020

Joined meetings regularly to propose new tactics to boost company customer list.

Driver ▪ UBER ▪ Seattle, WA

2018–2020

Supported community by providing transportation for locals within area to and from their desired destination.

Driver ▪ DELIVERY FORCE ▪ Seattle, WA

2016

Handled and delivered packages on time safely and successfully. Worked with support team to sort incoming parcels to correct location for effortless pickup. Assisted loading and unloading products from company vehicles. Operated scanner to document shipping and package information.