



Skills

- AutoCAD 2D
- Solid Works
- Microsoft Office 365
- AutoDesk Inventor
- Mathworks MATLAB
- C/C++ Programming
- Arduino Circuits and Programming
- LabView NI
- Manufacturing Methods
- Structured Text & PLC Programming
- ERP System - Microsoft Dynamics Navision
- HTML, CSS, JavaScript Programming

Languages

Arabic



Native Speaker / Bilingual

English



Native Speaker / Bilingual

Coursework Projects

- Senior Thesis: Biologically inspired mechatronics drone with the analysis of V simulated bird migration and the utilization of flapping wings
- PID controller design and implementation for autonomous vehicles
- Renewable design and HVAC analysis of eco-green building implementation
- Automotive two stage gearbox design for electric vehicles
- Analysis of heat transfer and fluid mechanics exercises through CFD analysis and finite element analysis

Certifications

Fundamentals of Engineering (FE)

July 2019

- Awarded by the NCEES

Certified SolidWorks Associate (CSWA)

June 2022

- Awarded by the SolidWorks

Professional Engineering License (PEO)

- Enlisted and Ongoing (EIT program), Ontario, Canada

Work Experience

October 2021 - Current

Product & Training Engineer, Vitronic Machine Vision, Dubai, United Arab Emirates

- Develop and implement training programs for new and existing products
- Create and maintain technical documentation for products and provide technical support to customers and other teams
- Collaborate with product managers, engineers, and technical support teams to ensure that training materials and programs are effective and up-to-date
- Stay up-to-date with industry developments and new technologies to ensure that training programs remain relevant and effective

September 2021 - October 2022

R&D Mechatronics Engineer, Vitronic Machine Vision, Dubai, United Arab Emirates

- Designing, developing and enhancing new & existing traffic enforcement technologies for the Middle East and Africa markets. (LiDAR, Solar, 3D Modeling, AI).
- Conducting research and demonstrating technical feasibility with the evaluation of future technologies via proof of concepts.
- Generated engineering prototype along with technical documentation to facilitate new products localization within Vitronic's MENA product portfolio.
- Collaboration and assistance in product development in addition to testing facilities with headquarters R&D team on joint venture projects.
- Current Projects: Off-grid Solar Housing Upgrade, Noise Sensor, Video Analytics Topics

September 2020 - September 2021

Production Engineer, Wilo Group, Dubai, United Arab Emirates

- Coordinate production planning and workflow for one or multiple products while plan and prioritize operations to ensure maximum performance.
- Practiced lean management and 5S principles, leading to improvements in workflow, quality and waste reduction.
- Created engineering drawings and designs which include manufacturing processes as well as equipment specifications.
- Designed and incorporated process design improvements.

October 2019 - September 2020

Technical Support Engineer, Thyssenkrupp, Dubai, United Arab Emirates

- Collaboration with design, production, and engineering departments for modifications based on potential clients' needs.
- Demonstrating and consulting scientifically advanced products to potential clients and its better aptness compared to competitors.
- Establishing a link between the factory and clients while enlightening clients about company's products.
- Coordinated with systems partners to finalize designs and confirm requirements.

June 2018 - August 2018

Service Engineer, Audi, Dubai, United Arab Emirates

- Analyzed, troubleshoot and diagnosed problems and provided prompt repair and solutions.
- Specified system components and directed product modifications to ensure conformance with engineering design and performance specifications.
- Investigated equipment failures to diagnose faulty operation and made appropriate maintenance recommendations.

Academic History

September 2015 - July 2019

American University of Sharjah

Bachelor's of Science, Mechanical Engineering, Sharjah, United Arab Emirates

- Cumulative GPA: 3.12 of 4
- Awarded dean's list scholarship
- U.S. ABET accredited program
- Member of the ASME committee as events coordinator, September 2016 - June 2017