Minh Vo

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SKILLS

Languages: English and Vietnamese
CAD: SolidWorks, Creo Parametric, AutoCAD, 3D Printing, Manufacturing
Applications: MATLAB/Simulink, ANSYS Workbench, Abaqus, C, C++, Arduino IDE, Microsoft Office (Word, Excel, PowerPoint), Power BI, VS Code, IBM AS400, R Studio, Easy IO Controller, VBA Macro
Technical Skills:Finite Element Analysis (FEA), Thermodynamics, Heat Transfer, Fluid Mechanics, System Control, Air Flow Control

EXPERIENCE

Product Engineer | 01/2025 to Present
Air Distribution Technologies Inc – Plano, TX

- Design parts, assemblies, and drawings in SolidWorks, using VBA to automate file generation and streamline documentation. Maintain accurate and up-to-date drawings and Bills of Materials (BOMs).
- Prepare and address any Engineering Change Requests (ECRs) and update drawings. Engage in training, seminars, and technical committees (e.g., AMCA, UL, DOE, ASHRAE, AHRI) to stay current with industry standards and innovations.
- Utilize business systems and AS400 (MACPAC) to enhance manufacturing efficiency and reduce quality-related issues. Conducted root cause analysis to judge whether an engineering change is necessary and implemented the changes.
- Collaborated on cross-functional teams to develop, verify, and validate product designs and structures, assisting teams across different plants with engineering issues.
- Conducted laboratory airflow performance testing for Triatek Eco Air Valves, collecting and analyzing data to evaluate valve efficiency. Determined maximum airflow performance at minimum pressure conditions. Utilized R Studio to generate visualizations and develop a Triatek Engineering Handbook to standardize airflow performance reference for internal use.

Quality Control Specialist | 06/2024 to 12/2024
Canadian Solar Inc. – Mesquite, TX

- Conducted regular inspections and audits of manufacturing processes, raw materials, and finished goods to ensure compliance with quality standards, specifications, and regulatory requirements.
- Reviewed EL images and mechanical dimensions for pass/reject judgments; inspected final assembly for finish, labeling, electrical output, and packaging.
- Monitored daily inspection activities, maintained accurate quality records, and communicated results and issues to relevant departments. Assisted in troubleshooting issues related to machines, materials, processes, and operators, ensuring compliance with product quality and standards.
- Supported ISO 9001 activities and customer on-site inspections/audits, while adhering to environmental, health, safety, and ethical standards.

Mechanical Engineer Intern | 08/2023 to 05/2024
Ronawk, Inc. – Overland Park, KS

- Bio-Block Post-Printing Processing Unit. Collaborated with other Mechanical and Biomedical Engineers in a group of 6 to design and produce a post-processing perfusion unit allowing the washing and curing of Bio-Blocks under sterile conditions.
- Reduced the duration of the washing and curing cycles by 20 percent compared to the current techniques the company is implementing. Made the hydration, cleaning, and curing processes automatic within the perfusion unit, allowing the client to allocate time to other important tasks. Increased the client's capacity to cure up to 30 times the number of blocks they were curing each time, which is the maximum number of blocks they currently produce per day.

EDUCATION

University of Texas at Dallas – Richardson, TX **May 2024**
Bachelor of Science in Mechanical Engineering ***GPA: 3.6***
Relevant Coursework: Mechanics of Materials, Fluid Mechanics, Thermodynamics, Systems and Controls
Dallas College – Dallas, TX **May 2020**
Associate of Science in Mechanical Engineering ***GPA: 3.86***

PROFESSIONAL CERTIFICATES

SolidWorks Sheet Metal Professional | Dassault **November 2025**
SolidWorks CAD Design Associate | Dassault **July 2025**
Project Management Specialization | Google **August 2024**
Six Sigma Green Belt Specialization | University System of Georgia **June 2024**
Google Cybersecurity Certificate | Google **May 2024**