Daniel Levesque

Mechanical Engineer

CONTACT

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daniel.levesque@email.com

Austin, TX

EDUCATION

Bachelor of Science in Mechanical Engineering

Texas A&M University | College Station, TX | 2015

Certifications

- Certified SolidWorks Professional (CSWP) | Issued Nov 2024
- Six Sigma Green Belt | Issued April 2023

Additional Activities

Patent Holder

- Co-inventor of a vibration-damping bracket used in commercial server hardware, granted in 2024.

PROFESSIONAL SUMMARY

Mechanical engineer with experience in product design, thermal systems, and manufacturing optimization. Strong background in 3D modeling, prototyping, and collaborating with cross-functional teams from concept to production.

EXPERIENCE

Senior Mechanical Engineer 2020 - Now

Dell Technologies, Austin, TX

- Lead the mechanical design for a next-gen desktop chassis with improved airflow, resulting in a 12°C temperature drop and longer component lifespan.
- Work closely with thermal, electrical, and packaging teams to ensure all design constraints are met within tight development cycles.
- Conduct DFMEA and collaborate with suppliers to resolve tooling issues before pilot production, reducing post-launch changes by 80%.
- Produce 3D models, drawings, and tolerance stack-ups for manufacturing partners in Asia, ensuring production readiness.

Mechanical Engineer 2015 - 2020

Emerson Automation Solutions, Round Rock, TX

- Supported product development for industrial control valves, focusing on durability and vibration resistance under high-load environments.
- Ran FEA and hand calculations to validate designs against ASME standards and real-world conditions.
- Participated in weekly design reviews and cross-functional brainstorming sessions that led to three new patented solutions.
- Introduced design improvements that reduced manufacturing time by 18% through simplified component integration.

SKILLS

SolidWorks, CATIA, AutoCAD	★★★★★
FEA (ANSYS), CFD simulation	★★★★★
GD&T, BOM creation, material selection	★★★★★
HVAC systems, heat transfer analysis	★★★★★
Lean manufacturing, Six Sigma principles	★★★★★
Root cause analysis, failure mode assessment	★★★★★