MEGAN ALBRIGHT

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Grand Rapids, MI

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SUMMARY

Applications engineer with 5 years in machine design and motion control, now sizing linear actuators and multi-axis stages for OEMs in packaging, medical and lab automation. Turns customer load and stroke requirements into SolidWorks layouts and quotes, and supports sales from the first call through production release.

SKILLS

- SolidWorks
- AutoCAD
- Actuator Sizing
- Engineering Drawings
- Technical Support
- Excel
- Python
- PowerPoint
- Word
- Problem-Solving Skills

CERTIFICATES

Certified SOLIDWORKS Associate (CSWA)

Dassault Systemes • 2021

EXPERIENCE

Applications Engineer

Grand River Motion Systems • Grand Rapids, MI

08/2023 - Present

Manufacturer of linear actuators, gantry stages and motion control systems sold through distributors.

- Calculate sizing for linear actuators and gantry stages on 220 applications a year, using tools built in Excel and Python.
- Create SolidWorks models and AutoCAD layout drawings for quotes, turning **85%** of requests around within 3 days.
- Present product training in PowerPoint to 6 distributor sales teams, adding 40 qualified leads a quarter.
- Resolve 15 customer technical support cases a week on motor tuning, wiring and mounting.

Design Engineer

West Michigan Fixture & Tool • Holland, MI

06/2021 - 07/2023

Builder of welding and assembly fixtures for automotive seating and interior suppliers.

- Designed **70** welding and assembly fixtures in SolidWorks for automotive seating and trim lines.
- Released engineering drawings and Word work instructions for each fixture, with 95% passing first-article inspection.
- Cut fixture build cost by 12% by standardizing clamps and locating pins across 4 product families.
- Visited 10 customer plants to measure part datums and confirm fixture fit before final build.

EDUCATION

Bachelor of Science in Engineering

Grand Valley State University • Allendale, MI • 04/2021

Mechanical Engineering