

Steven Schwartz

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SUMMARY OF QUALIFICATIONS

Mechanical Engineering graduate with two years of experience in research, mechanical testing, computer science, circuits, and leadership. Committed to applying and extending my knowledge of applied sciences to advance the medical industry.

EDUCATION

Northern Arizona University (NAU), Flagstaff AZ **December 2022**
Bachelor of Science in Mechanical Engineering 3.18 GPA

- Focus: Bioengineering and Experimental Modeling
- Senior Design: Fluid-Based Compact Vessel Cleaning System for 3D Printed Vessel Models (Bioengineering Devices Lab project)

SKILLS SUMMARY

- LabVIEW®
- MATLAB®
- Solidworks®
- Technical Writing
- Arduino® Programming
- Microsoft® Office Suite
- Basic Circuit Knowledge
- Technical Analysis
- Project Management
- Testing/Troubleshooting
- Interpersonal Skills
- Mentoring

PROFESSIONAL EXPERIENCE

Machine Solutions Inc. **Flagstaff, AZ**
Medical Device Testing Lab Technician August 2022 – Present

- Performed feasibility and contract testing of medical devices with MSI equipment to help medical device companies create better products
- Used knowledge of Physics and Engineering concepts to understand device failures and collect effective data
- Used technical writing to effectively compile testing results in report format for clients
- Used MS Excel to effectively manage collected data
- Aided quality control, after-market sales, and engineering to aid company operations
- Provided new testing methods to improve the process
- Modified existing testing setups to comply with various devices

NAU Bioengineering Devices Lab **Flagstaff, AZ**
Research Assistant January 2021 – Present

- Developed testing setups for *in vitro* prototype vessel models
- Drafted and formulated operating procedures and testing parameters
- Developed and calibrated Data Acquisition Instruments capable of mechanical testing such as Load Cells, Pressure Transducers, and Thermocouples
- Developed stereolithographic (.stl) 3D models in Solidworks®
- Compiled research findings via reports and posters
- Presented research findings at research conferences and symposiums