Gia Neve

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EDUCATION

NORTHERN ARIZONA UNIVERSITY (NAU), *Flagstaff, AZ*
Bachelor of Science in Mechanical Engineering (ABET accredited) *Expected Graduation - May2024*
College of Engineering, Informatics, and Applied Sciences

EXPERIENCE

Engineering Projects Lab Manager – *NAU* January 2020 – Present

- Experienced Lab Technician with hands-on experience in operations, maintenance, and organization.
- Improved lab functionality by creating/updating work order forms and lab usage rules.
- Operated and learned advanced machines (Fortus 400/250, J35 Polyjet, Markforged Mark 2, Bosslasser Lasercutter) to expand prototype options for students.
- Collected and organized machine info, managed inventory, and communicated with faculty/safety staff.
- Educated students on manufacturing processes, provided design/order feedback, and ordered equipment/materials.
- Designed useful displays showcasing machine capabilities and organized data on work orders and pricing.
- Ensured a safe lab environment by communicating with safety staff.
- Created a welcoming environment for students and improved lab functionality.

E3 Displays Internship - *E3 Displays, LLC* May 2021 – August 2021

- Created SolidWorks models as an intern to support design and development efforts.
- Organized data and quotes to ensure timely and accurate tracking of project expenses.
- Reverse-engineered machines to identify opportunities for improved redesign plans.
- Gained a brief understanding of dry optical bonding.

TECHNICAL SKILLS

- **Software:** SolidWorks, GrabCAD, Elger.io, Lightburn, Reality Composer, Microsoft Office Suite
- **Machinery:** Stratasy Printers (Fortus 400, Fortus 250, J35 Polyjet), Markforged Mark 2, Bosslaser Lasercutter, Creality 3D
- **Programming languages:** Python, MATLAB, HTML, CSS
- **Other:** Statistical analysis and technical writing/reporting

SOFT SKILLS

- Maintains a positive and proactive attitude, striving for excellence.
- Values integrity and demonstrates ethical behavior in all interactions.
- Possesses excellent communication skills, able to collaborate effectively within a team.
- Demonstrates a strong ability to identify, analyze, and solve problems with social dexterity.
- Adapts easily to changing situations and environments.
- Maintains a strong work ethic and attention to detail.
- Shows a willingness to learn and improve skills and knowledge.

RELEVENT COURSEWORK

System Dynamics - the development of linear dynamic models for physical systems and the analysis of the response of those systems in both the time and frequency domains.

Wind Energy Engineering - Wind resources, wind turbine subsystems and design, wind turbine siting, economics and environmental aspects, and potentially other topics. Focus on turbine aerodynamics, dynamics and mechanics, and power conversion to electricity.