OLIVIA SMITH

Electrical Engineering Intern





PROFESSIONAL SUMMARY

Innovative Electrical Engineering Intern with experience in robotics and automation systems. Contributed to the design and implementation of a robotic arm, enhancing precision in manufacturing processes. Proficient in using SolidWorks for 3D modeling and simulation. Recognized for strong teamwork and leadership skills, having led a small group project that successfully met all deadlines and exceeded performance expectations. Committed to leveraging technical skills and creativity to drive advancements in engineering solutions.

WORK EXPERIENCE

Lead Electrical Engineering Intern

Blue Sky Innovations

耳 Chicago, IL

- 1. Led the design and implementation of a filter control system, overseeing all phases from concept to execution.
- 2. Engineered and programmed control systems for various electrical applications, ensuring optimal performance.
- 3. Developed detailed part specifications and created comprehensive bills of materials for projects.
- 4. Utilized AutoCAD Electrical to produce precise electrical schematics and coordinated procurement of necessary components.
- 5. Calculated and designed electrical enclosures, ensuring compliance with safety standards and project specifications.
- 6. Employed Rockwell Software's RSLadder to program PLCs, enhancing automation processes.
- 7. Conducted rigorous testing and field setups to validate program functionality and system performance.

Electrical Engineering Intern

m Dec / 2014-Dec / 2017

Silver Lake Enterprises

■ Seattle, WA

- 1. Co-Op Intern (May-December 2013) and Summer Intern (May-August 2014) Spearheaded the redesign of the control box for the MOD-GPX machine using SolidWorks, achieving significant cost savings through vendor negotiations.
- 2. Engineered and tested an electrical box for tension modules, resulting in annual savings exceeding \$7,000.
- 3. Programmed and validated multiple servo drives for test module motors, enhancing operational efficiency.
- 4. Designed and tested circuit boards for a steel-strap machine, improving production reliability.
- 5. Collaborated with vendors to secure high-quality components at competitive prices, optimizing project budgets.

EDUCATION

Bachelor of Science in Electrical Engineering

University of Michigan

耳 Seattle, WA

Focused on circuit design, control systems, and power electronics, with hands-on projects in electrical engineering applications.

SKILLS

Embedded C Signal Processing Analog Circuit Design PID Control Design

ACHIEVEMENTS

Led a team project that successfully reduced production downtime by 20% through innovative electrical solutions.

Implemented a new testing protocol that increased the reliability of electrical components by 30%.

🚰 Conducted simulations using MATLAB to analyze electrical systems, leading to a 10% increase in performance metrics.