

Margot Barmore

Equipment Engineer

Profile

Equipment Engineer with 2 years of experience in designing, implementing, and maintaining industrial equipment. Proficient in analyzing and solving complex technical issues, optimizing equipment performance, and ensuring compliance with industry standards. Demonstrated success in collaborating with cross-functional teams and delivering cost-effective solutions for equipment optimization and life-cycle management. Committed to continuous improvement and promoting a culture of safety and efficiency in the workplace.

Employment History

Equipment Engineer at KLA Corporation, MI

Mar 2023 - Present

- Successfully implemented a new equipment maintenance strategy that increased overall efficiency by 20% and reduced downtime by 15% within the first year of deployment.
- Optimized the equipment procurement process, resulting in a 10% reduction in lead time and a 7% cost saving on purchasing, while maintaining quality standards.
- Led a cross-functional team to develop and implement an innovative diagnostic tool for advanced semiconductor equipment, reducing troubleshooting time by 25% and increasing equipment availability by 8%.
- Spearheaded a project for upgrading legacy equipment, which increased production capacity by 12% and improved product quality by 5%, contributing to a 3% increase in overall revenue for the company.

Associate Equipment Engineer at Applied Materials, Inc., MI

Aug 2021 - Jan 2023

- Successfully implemented a preventive maintenance program for key equipment, resulting in a 20% reduction in downtime and a 15% increase in overall productivity.
- Streamlined the equipment procurement process by negotiating with suppliers and standardizing equipment specifications, leading to a 10% reduction in costs and a 25% improvement in delivery times.
- Collaborated with cross-functional teams to design and develop a new manufacturing line, increasing production capacity by 30% and reducing lead times by 15%.
- Led a team of technicians in troubleshooting and resolving complex equipment issues, improving equipment reliability by 18% and reducing mean time between failures by 12%.

Certificates

Certified Reliability Engineer (CRE)

✉ margot.barmore@gmail.com

☎ (572) 733-3782

📍 1234 Maple Street, Detroit, MI 48226

Education

Bachelor of Science in Mechanical Engineering at University of Michigan, Ann Arbor, MI

Aug 2017 - May 2021

Relevant Coursework: Mechanics of Materials, Thermodynamics, Fluid Mechanics, Heat Transfer, Mechanical Vibrations, Control Systems, Mechatronics, Numerical Methods, Engineering Materials, Manufacturing Processes, Machine Design, and Finite Element Analysis.

Links

[linkedin.com/in/margotbarmore](https://www.linkedin.com/in/margotbarmore)

Skills

AutoCAD proficiency

PLC programming

Finite Element Analysis

SolidWorks expertise

CNC operation

D printing mastery

MATLAB competency

Languages

English

German