

# Rica Roseto

## Junior Mechanical Engineer

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### EDUCATION

#### Bachelor of Science in Mechanical Engineering at Boise State University, Boise, ID

Aug 2018 - May 2022  
Relevant Coursework: Mechanics, Thermodynamics, Fluid Mechanics, Heat Transfer, Materials Science, Dynamics, Control Systems, Machine Design, Manufacturing Processes, Engineering Analysis, and Computer-Aided Design (CAD).

### LINKS

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

### SKILLS

AutoCAD  
SolidWorks  
MATLAB  
Finite Element Analysis (FEA)  
Computational Fluid Dynamics (CFD)  
LabVIEW  
ANSYS

### LANGUAGES

English  
Spanish

### HOBBIES

1. Building and repairing gadgets or small machines

### PROFILE

Dedicated Junior Mechanical Engineer with 1 year of experience in designing, testing, and implementing mechanical systems. Proficient in CAD software, technical documentation, and project management. Excellent problem-solving skills and collaborative approach in multidisciplinary teams. Demonstrated ability to improve efficiency and reduce costs in manufacturing processes. Seeking to contribute to innovative engineering projects and further develop expertise in mechanical engineering.

### EMPLOYMENT HISTORY

#### ● Junior Mechanical Engineer at Micron Technology, Inc., ID

Apr 2023 - Present

- Successfully designed and implemented a new cooling system for semiconductor manufacturing equipment, resulting in a 15% increase in production efficiency and a 10% reduction in energy consumption.
- Collaborated with a team of engineers to reduce machinery downtime by 20% through the development of an innovative predictive maintenance system, which utilized real-time data analysis to identify potential issues before they escalated.
- Played a key role in optimizing the manufacturing process of a new memory chip, leading to a 25% increase in production speed and a 5% reduction in material waste, significantly contributing to the company's overall profitability.

#### ● Mechanical Engineer I at HP Inc., ID

Sep 2022 - Mar 2023

- Developed a new cooling system for HP printers, resulting in a 20% increase in performance and a 15% reduction in energy consumption.
- Optimized the manufacturing process of HP's 3D printers, leading to a 10% increase in production efficiency and a 5% reduction in material waste.
- Designed and implemented a predictive maintenance system for HP's production machinery, reducing downtime by 30% and saving the company \$500,000 annually in maintenance costs.
- Led a team of engineers in the successful completion of a \$2 million project to upgrade HP's production facilities, resulting in a 25% increase in production capacity and a 10% reduction in operating costs.

### CERTIFICATES

#### Certified SolidWorks Associate (CSWA)

Dec 2021

#### Geometric Dimensioning and Tolerancing Professional (GDTP)

Jan 2020

### MEMBERSHIPS

American Society of Mechanical Engineers (ASME)