

Mechanical Engineer

Donna Maloney

Professional summary

Mechanical Engineer with 5 years of experience in designing and optimizing mechanical systems. Proven expertise in leading projects from conception through to completion, with a focus on enhancing efficiency and performance. Skilled in advanced CAD software, project management, and cross-functional collaboration.

 847-336-5198

 donna-maloney@email.com

 Chicago, IL

Experience

Mechanical Engineer

March 2022 - Now

Innovative Engineering Group / Chicago, IL

- Lead the development of a new HVAC system, boosting energy efficiency by 20% and saving 0,000 annually.
- Coordinate with cross-functional teams to ensure timely project delivery, enhancing efficiency by 15%.
- Create detailed 3D models and simulations using CAD software, reducing prototype development time by 25%.
- Conduct rigorous testing and analysis to ensure compliance with industry standards and safety regulations.

Education

Bachelor of Science in Mechanical Engineering

2015 - 2019

University of Illinois at Urbana-Champaign
Urbana, IL

- Honors: magna cum laude
- Relevant coursework: Thermodynamics, Fluid Mechanics, Heat Transfer, Mechanical Design

Skills

CAD



SolidWorks



HVAC systems



Thermal analysis



Quality Control



Design Engineering



Machine Design



Project Management



Automation Systems



Junior Mechanical Engineer

May 2019 - February 2022

Advanced Tech Solutions / Naperville, IL

- Contributed to the design and enhancement of mechanical components for consumer electronics, increasing product durability by 30%.
- Addressed technical issues during manufacturing, leading to a 10% decrease in production delays.
- Developed and managed technical documentation to improve communication and project clarity.
- Assisted in applying Lean Six Sigma principles to streamline manufacturing processes.

Professional Affiliations

American Society of Mechanical Engineers (ASME)

2022 - Now

Member

Courses

Professional Engineer (PE) License

2023

Illinois State Board

Lean Six Sigma Green Belt

2022

The International Association for Six Sigma Certification

Society of Automotive Engineers (SAE)

2020 - Now

Member