

Emma Luzio

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As a mechanical engineering student with a passion for art, I bring a unique perspective to problem-solving and innovation. Through my coursework and experiences, I have developed a keen eye for detail and an ability to approach challenges with creativity and an open mind. My minor in art has allowed me to hone my skills in design and visualization, which has proven to be invaluable in my engineering coursework and projects. Through my coursework and experiences, I have gained hands-on experience in design, analysis, and testing of mechanical systems. I am eager to bring this diverse set of skills to a position where I can contribute to the development of cutting-edge technologies while pushing the boundaries of creativity and innovation.

EDUCATION

Northwestern University

Bachelor of Mechanical Engineering; Minor in Art Theory and Practice

Evanston, IL

September 2021-June 2025

Relevant Coursework

Basic Engineering Requirements, Thermodynamics & Statistical Mechanics,
Introduction to material science, Electronics Design, Machine Dynamics, Computer
Integrated Manufacturing

PROFESSIONAL EXPERIENCE

Loggerhead Tools

Intern

Evanston, IL

June 2022-August 2022

- Assembled and customized the code for machines to automate the production of wrenches
- Designed space-efficient storage for wrench parts.
- Helped with a multitude of smaller tasks such as ordering or machining parts.
- Observed and installed machines at the production plant where the wrenches were manufactured.
- Helped with prototyping and designing components for assembly line optimization.

Starbucks

Barista

Lexington, MA

February 2021- September 2021

- Awarded Employee of the Quarter.
- Made and served up to 400 orders daily.
- Prepared bills for drinks, accepted payment or made change, and balanced cash registers.
- Performed cleaning duties to keep equipment and facilities sanitary, such as washing dishes and cleaning the lobby.
- Advised customers about new food options, deals and promotions, and nutritional information.

SKILLS

- Fluent Spanish and French speaker and writer
- Experience with MATLAB for modeling and simulation
- Experience working with Fusion 360, NX, Solidworks, and Onshape
- Knowledge of manufacturing processes, including CNC machining and 3D printing
- Experience with mechanical design, analysis, and testing
- Strong problem-solving and analytical skills
- Excellent communication and teamwork skills
- Ability to work under pressure and meet deadlines
- Knowledge of project management principles and tools
- Attention to detail and ability to work with precision
- Flexibility and willingness to learn new skills and techniques.