



OLIVIA SMITH

Tooling Engineer

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PROFESSIONAL SUMMARY

Accomplished Tooling Engineer with 5 years of experience in developing and refining tooling solutions for high-efficiency manufacturing. Expert in cost reduction strategies and process optimization, dedicated to enhancing product quality and operational efficiency. Seeking to leverage engineering expertise to drive innovation and improvements in tooling design and production methods.

WORK EXPERIENCE

Tooling Engineer 📅 Apr / 2022-Ongoing
Seaside Innovations 📍 Santa Monica, CA

- 1. Engineered innovative tooling designs for thermoforming applications while programming CNC machines for in-house manufacturing.
- 2. Developed comprehensive mold layouts and Bill of Materials (BOM) for project completion.
- 3. Coordinated with external vendors to fabricate dies and tooling components.
- 4. Completed advanced training in 3D machining with Mastercam and AutoCAD to enhance design capabilities.
- 5. Participated in SPC training to identify production inefficiencies and minimize downtime.
- 6. Collaborated with setup teams to optimize machine setup times and reduce scrap rates.
- 7. Focused on cost-saving initiatives within Eaton Corp's heavy truck division, achieving significant cost reductions.

Tooling Engineer 📅 Apr / 2020-Apr / 2022
Lakeside Apparel Co 📍 Chicago, IL

- 1. Managed pre-production engineering tasks for all tooling projects, ensuring design specifications were met.
- 2. Supported production teams in optimizing cycle times for thermoplastic and thermoset molding processes.
- 3. Revitalized the decorative finishing department, enhancing capabilities in pad printing and hot stamping.
- 4. Successfully launched the Mr. Coffee coffee maker program, overseeing all plastic component designs.
- 5. Designed a decorative lens for the Healthometer Scale, leveraging screen printing techniques.
- 6. Rebuilt a malfunctioning screen printing machine, restoring its operational efficiency.

EDUCATION

Bachelor of Science in Mechanical Engineering 📅 Apr / 2018 - Apr / 2020
University of Michigan 📍 Chicago, IL

Focused on design engineering principles and tooling applications in manufacturing.

SKILLS

Autocad Design

Quality Control Methods

Tool Design Expertise

Injection Molding Knowledge

Machining Process Skills

Material Selection Skills

INTERESTS

Gaming

Fashion

Film

Technology

STRENGTHS

Fairness

Flexibility

Forward-thinking

Gratitude

LANGUAGES

English

Japanese

German

ACHIEVEMENTS

- ★ Reduced tooling costs by 15% through process improvements.
- ★ Led the design and implementation of a new tooling system, increasing production efficiency by 20%.
- ★ Collaborated with suppliers to enhance die production quality, reducing defects by 30%.