OLIVIA SMITH

Tool Design Engineer





PROFESSIONAL SUMMARY

Innovative Tool Design Engineer with 5 years of experience in aerospace and automotive tooling. Skilled in developing efficient designs and optimizing manufacturing processes using advanced CAD software. Committed to enhancing product quality and performance while fostering collaboration within engineering teams.

WORK EXPERIENCE

Tool Design Engineer

🛗 Jan / 2021-Ongoing

Seaside Innovations

📮 Santa Monica, CA

- 1. Engineered innovative aerospace tooling solutions using Catia V5, ensuring compliance with stringent design specifications.
- 2. Conducted detailed analysis and modifications of CAD models to support manufacturing needs.
- 3. Developed 3D models and technical drawings for tooling components and assemblies.
- 4. Performed quality assurance checks on designs to maintain high standards prior to production.
- 5. Facilitated communication with clients to gather requirements and provide design updates.
- 6. Created comprehensive Bill of Materials for effective resource management.
- 7. Converted complex CAD data into various formats for client presentations and project documentation.

Tool Design Engineer

Jan / 2020-Jan / 2021

Silver Lake Enterprises

耳 Seattle, WA

- 1. Designed production molds utilizing Cimatron, focusing on material selection and process optimization.
- 2. Improved mold designs, enhancing manufacturability and reducing production costs.
- 3. Produced detailed AutoCAD drawings based on engineer specifications, ensuring accuracy and clarity.
- 4. Managed procurement processes by selecting vendors and overseeing purchase orders.
- 5. Led projects aimed at improving workplace safety and efficiency, achieving measurable results.

EDUCATION

Bachelor of Science in Mechanical Engineering

🛗 Jan / 2019-Jan / 2020

University of Michigan

♣ Santa Monica CA

Focused on mechanical design, CAD applications, and manufacturing processes.

SKILLS

SolidWorks **CAD Software Proficiency** 3D Modeling Skills Tooling Design Expertise 8

ACHIEVEMENTS



Meconstrully designed and implemented a new assembly fixture that increased production efficiency by 20%.

Collaborated with cross-functional teams to enhance product designs, resulting in a 10% reduction in material costs.