1. Reviewed design requirements and identified appropriate materials to use in development of solutions.
2. Worked with product planners and industrial designers to conceptualize and refine product concepts.
3. Assisted in development of [Type] testing systems, including automated [Type] equipment.
4. Recommended and selected new and replacement test equipment to improve research and testing capabilities.
5. Prepared, checked and coordinated documentation to support [Type] and [Type] component design and application.
6. Performed analysis on [Type] technical designs and prototypes in development stage.
7. Fabricated tools needed to construct [Type], [Type] and [Type] components.
8. Supported [Type] engineering design through analysis and simulation of prototypes and [Type] computer models.
9. Coordinated technical requirements, scheduling and solution development for engineering design and test issues.
10. Performed on-site field surveys and wrote technical narratives to document processes and design changes.
11. Developed, tested and assessed alternative design models and processing methods.
12. Provided technical engineering support and project management for design, engineering and development of [Type] products.
13. Estimated quantities and cost of materials, equipment and labor to determine project feasibility.
14. Integrated environment, health and safety regulations into process design and work practices to alleviate risk.
15. Conducted research to test and analyze feasibility, design, operation and performance of [Type] equipment, components and systems.
16. Balanced environmental responsibility and budget parameters in selection of production materials.
17. Oversaw product development, design and releases for production of [Type] and [Type] products.
18. Documented products and processes using SolidWorks, [Software] and [Software] to document release notes and designs.
19. Created parts for various fabrication methods, including machining, sheet metal fabrication and injection molding.
20. Planned and evaluated results of [Type] analysis, modeling and experiments.