1. Prepared, checked and coordinated documentation to support [Type] and [Type] component design and application.
2. Developed [Type] product prototype components, assemblies and tooling.
3. Conducted research to test and analyze feasibility, design, operation and performance of [Type] equipment, components and systems.
4. Interacted with project leaders and stakeholders to define requirements and generate and maintain design development documents.
5. Worked with [Type] product designers to implement and debug new manufacturing processes.
6. Balanced environmental responsibility and budget parameters in selection of production materials.
7. Supported [Type] engineering design through analysis and simulation of prototypes and [Type] computer models.
8. Assisted drafters in developing structural design of products using drafting tools or computer-assisted design (CAD) or drafting equipment and software.
9. Planned and evaluated results of [Type] analysis, modeling and experiments.
10. Worked with product planners and industrial designers to conceptualize and refine product concepts.
11. Tested [Type] products extensively to measure against design intent.
12. Developed and tested models of alternate designs and processing methods to assess feasibility, operating condition effects, possible new applications and necessity of modification.
13. Documented products and processes using SolidWorks, [Software] and [Software] to document release notes and designs.
14. Collaborated with clients, architects, engineers, contractors and sub-consultants on [Type] projects with budgets up to $[Amount].
15. Performed tolerance analysis to support success in high-volume [Type] product manufacturing.
16. Performed thermal, electromagnetic, dynamic and structural engineering analyses on [Type] projects.
17. Performed analysis on [Type] technical designs and prototypes in development stage.
18. Assisted in development of [Type] testing systems, including automated [Type] equipment.
19. Processed field and performance assessment data using [Software].
20. Created CAD models and drawings for [Type] and [Type] designs.