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EXPERIENCE

Designer / Draftsman 1 yr. with Alphatec Spine Inc. Carlsbad – California.

Tool design, instruments and components for new medical procedures for the surgical treatment of spine disorders, working in conjunction with a development group of Engineers in the R&D / MIS Departments. Responsibilities: design and production of released drawings, SLAs and prototypes final phase for manufacturing using SolidWorks. Maintenance on all product lines via ECR/ECO formats. Design process interfacing with top-notch spinal surgeons, customers, vendors, nurses, and engineers.

Lead – Sr. / Designer – Draftsman 5 yrs. with Sundance Spas Inc. Chino, California.

Conceptual mechanical design and reverse engineering 3D models in SolidWorks. Production of released drawings from 3D solid models. Detailed mechanical and electrical drafting 2D and 3D models from AutoCAD for new product releases. Maintenance on all projects 2D & 3D including architectural layouts via ECO format using Microsoft Word, Excel, AutoCad, SolidWorks, and Acrobat Writer. Collaborated with all departments for product validation and change implementation. Produced and directed mechanical drafting standard ISO 9001 certification for AutoCad users. Member of PDM Administrators team on SolidWorks for Engineering and R&D Departments. Supervised 3 designers/drafters expediting everyday work load. Developed a mentoring program for the CAD Department.

Designer / Draftsman 7 yrs. with MTI Micro Technologies Inc. Anaheim, California.

Release to production manufacturing sheet metal drawings 2D, 3D and Isometrics with AutoCAD. Maintenance of all documentation via ECR/ECO formats, using AutoCad, Pro-Engineer, and SolidWorks. Elaborated PCB layouts drawings-DWG/DXF. Artwork drawing creation via Corel Draw, Adobe Illustrated, and AutoCad.

Designer / Programmer 2 yrs. with Trico Sports Inc. Pacoima, California.

Conceptual planning of manufacturing drawings and layouts in 3D for plastic injection molds. Reverse engineering used to create 3D models and STL surfaces from Cyclone Digitizer Technology. Production of programming Code for Hass "CNC" machines. Responsible for prototype testing on HASS-VF2 / VF3 CNCs. Development and maintenance of drawings on all projects using computer aided software AutoCad, Delcam PowerShape, PowerMill, ArtCam, and Copy Cad. Software used: Windows NT, Microsoft Word, Camedia and Adobe Illustrator.

Designer / Draftsman 2 yrs. with Telos Medical Inc. Upland, California.

Responsible for the design, development and release to production of manufacturing drawings for disposable, reusable and custom medical kits via computer input on Cad Graphics-Ultra System. Performed artistic design and layout for company's brochures and catalogues. In addition, responsible for the maintenance and control of drawings, specifications, manufacturing procedures, directions for use, card reference files and microfilm files. Supported all departments with Spanish translation daily. Translated documentation for the Safety Awareness Program and conducted presentation for the company.

Draftsman 6 yrs. with Rantec Emerson Electric Calabasas, California.

Responsible for development and release to production of manufacturing microwave drawings. Maintenance for projects: TACAN, COMBAT TALON, PATRIOT MISSILES, FEED SYSTEMS, C11 and APG69 SYSTEMS, using ECR/ECO formats via computer input on AutoCad / Unigraphics. Supported Department of Publications and Reproductions as a Lead Man.

EDUCATION

Technical Documentation Consultants of Arizona - Certificate - GD&T. ANSI Y14.5M-1982 Standards.

Westech College - California – Certificate - Intermediate-Design / SolidWorks.

3D Cadware Inc. – California - Certificate - Level I SolidWorks, and PDMWorks Administration.

Hass – California - Certificate - Operation and theory for CNC Hass-VF2 and VF-3.

Vocational Institute – Costa Rica – A.A. Diploma – Architectural / Mechanical Drafting.

Spanish fluency.