

Product Development Engineer

Website www.bennettdesignllc.com

Strengths **Takes tech projects from concept to production quickly.**

Team player	High creativity	Tech Transfer
Mechanical Design	RF / Photonics	Fast Prototypes
SolidWorks CAD	Medical / Science	Project Management

Objective Team with others to design and develop breakthrough technical products.

Academic	MS Mechanical Engineering (Product Design Option)	Stanford University	1982
	BS Civil Engineering	Stanford University	1977

Professional	American Society of Mechanical Engineers	Industrial Design Society of America
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Experience	2001-Current	Senior Product Development Engineer	Bennett Design LLC, Los Alamos, NM
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- Robotic parcel security scanner
- 3D x-ray head-scanner drivetrain design
- Film reader for shock and detonation physics
- Portable x-ray scanner for unexploded ordnance
- Suncone solar power research prototype
- Kinetic Pump alternative energy feasibility study
- Prototype parts for Airborne Tactical Laser
- Non-invasive glucose monitor

1996-2001	Senior Mechanical Engineer	Intermec/Amtech, Albuquerque, NM
	Worked on multi-disciplinary teams and with production facility, bringing 1-4 high-tech radio identification products per year from concept to production according to ISO 9000 standards. Duties included managing, system engineering, design, prototype, injection molding, electronic chassis packaging, design reviews, configuration control, schedules, budgets, hardware/software integration, customer contact, vibration, environmental and qual test. Facility closed 12/2001.	

1991-1996	Self-Employed Consulting Engineer (partial list)	Albuquerque, NM
	<ul style="list-style-type: none"> ▪ Mechanical design of laser tweezers and multi-channel imaging spectrometer ▪ Development of airbag motion sensor now licensed to Methode ▪ "Works-in-the-dark-in-an-emergency" gun safe with tactile electronic keypad ▪ HEPA filter design and production for cleanrooms and hospitals 	

1986-1991	Mechanical Design Engineer	CFM Inc., Bozeman, MT
	Developed and manufactured fiber-optic test equipment for GTE.	

1983-1986	Mechanical Design Engineer	Orionics Inc., Bozeman, MT
	Mechanical engineering for fiber-optic splicers and laser-based test equipment.	
	Adjunct Instructor, Manufacturing Processes (2 semesters) Mechanical Engineering Dept., Montana State University, Bozeman MT	

1980-1982	Graduate teaching assistant, Product Realization Lab, Stanford University	
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Other	Eagle Scout	
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