

## William Holt

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### Employment History

Current - 2000                      Dakota Ultrasonics                      Scotts Valley, CA  
Engineering Manager

- Develop MiniMax Ultrasonic Stress Meter, including hardware design, printed circuit design, firmware and Java utility software. Design was based on a simulation of the gauge created to make a virtual specification, see <http://www.dakotaultrasonics.com/MiniMaxApplet>
- Develop DSP thickness measurement system, first in the THOR instrument and then modified and expanded to create the CMX product line.
- Implement lead free and ROHS compatible processes.
- Develop low power high speed digitizer and detector logic using Verilog in a FPGA. Also write buss interface to FPGA and test bench in Verilog.

1999 - 1997                      Norbar USA                      Soquel, CA  
Vice President of Engineering

- Develop Ultrasonic Stress Meter, including hardware design, printed circuit design, firmware and Java utility software.
- Design and implement Memory Bolt patent.
- Implement Torque Tension Calculator for company website: see <http://www.norbar.com/torquetensioncalculator.php>

1981 - 1997                      StressTel Corporation                      Scotts Valley, CA  
Engineering Manager

- Manage an Engineering Department of 7 employees
- Develop a line of products including Ultrasonic Thickness Gauges and Bolt Stress Measurement Products
- Implement Quality System to ISO 9001 standards

1979 - 1981                      Music Systems Corporation                      San Jose, CA  
Technician

- Troubleshoot and install paging and 3M background music systems

1975- 1978                      Magic Devices                      Santa Cruz, CA  
General Partner

- Develop, market and deploy audio systems for sound reinforcement and recording.

<b>Education</b>	1999	UCSC	Santa Cruz, CA
	Master of Science in Computer Science		
	▪ Thesis on writing an Embedded Window Toolkit		
	1985	UCSC	Santa Cruz, CA
Bachelor of Arts in Computer Science			
	1971	Germantown Friends	Philadelphia, PA
High School Diploma			

**Professional memberships**

Audio Engineering Society

American Society Of Testing Machines

**References**

Charlie McDowell - Professor, UCSC Santa Cruz, CA

Susan Nerton – CS/CIS Chair, Cabrillo College, Aptos, CA

Steve Wozniak – Engineer, Apple Computer, Cupertino, CA

Ken Capitanich - Owner, Mars Recording Studios, Aptos, CA

**Interests and activities**

Adjunct Professor of Computer Science, Cabrillo College Aptos

Surfing

Gardening and Chickens

Bass Guitar and Audio Engineering