

Resume of Gordon W. Young PE
Young Ideas
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Position Sought:

Consulting Engineer in the development of new and innovative devices and projects in electronic product design or various other new technologies as outlined in fields listed below.

Education:

Bachelors and Masters Degrees in Electrical Engineering (electronics with a minor in nuclear engineering)
Registered Professional Engineer (PE in Electrical Engineering)

Related Experience:

Consulting engineering: Twenty years in design of about 100 new electronic products and systems including redesign of existing projects. Current work involves solving design and production problems for clients in large scale consumer product manufacturing and alternate energy project investigation. I was one of two Chief Project Engineers for constructing the Natural Bridges National Monument Solar Power Facility and have won national energy awards from DOE and IEEE. I have worked with many clients to generate complex project interaction with client satisfaction. This interaction includes writing patent claims for new client inventions, and receipt of several patents of my own.

I am currently also working with international projects in South Asia which require considerable finesse and understanding of other cultures. They have involved considerable travel at times for client interaction.

Besides consulting in “hands on projects”, I have taught a UofU EE department class in A/D and microprocessor applications. (Includes design of sensors, RF, IR, I/O and communications, displays and other applications. Also includes assembly language programming and use of simulators, emulators and programming devices) See website for details:

Salt Lake Community College: Nine years as professor of Manufacturing and Automated Systems Technology (Full tenure). I taught both theory and practical courses in industrial electronics, power systems, computer applications, microcontroller programming, manufacturing technology, robotics, hydraulics and pneumatics, and electronics quality control techniques at a practical level. I am at home in any electronics facility with many years of work

in both engineering and field operations. I held the Department Coordinator position when I chose to leave for full time consulting for the second time.

Ford Bacon and Davis Inc. Two years as Program Manager for Solar Power Systems. I wrote the winning proposal to DOE for what was the world's largest photovoltaic power plant at the time and served as Project Engineer and Project Technical Advisor for this project on all "hard questions".

LTV and EG&G: Four years in nuclear instrumentation design and development. Worked for EG&G in Las Vegas and had highly innovative systems I designed and constructed installed at NTS. I was granted a "Q" clearance for work on nuclear weapons if required. Before working in Las Vegas, I had one of only two licenses to operate and maintain the nuclear reactor at the University of Utah which required considerable knowledge of all fields related to nuclear energy.

Professional Activities:

Currently Utah IEEE Section Professional Activities Chair
Utah Governors Award for Excellence in Energy Innovation
Institute of Electrical and Electronic Engineers Centennial Medal
U.S. Department of Energy award for Energy Innovation
Three years a member of the Utah Energy Council
Three years Chair of the Utah Solar Advisory Committee
Utah Section Chair IEEE
North West Region Six Chair IEEE