

Objective: AUV Operations Engineer (AUV-OE)

Experience

Teledyne-RESON Inc. - Santa Barbara, CA 2003-2016

Senior Engineering Technician (*R&D, Manufacturing, Service*) for a world leader in sonar systems

- Specified and evaluated embedded computer systems and components
- Design as well as troubleshooting of circuit board and electronic components
- Implemented large capacity, high data rate data storage systems for data acquisition systems
- Software and system testing & evaluation
- System prototype and production manufacturing
- U.S. and International sonar system installation, field service, and customer support
- Created schematics and managed circuit board design
- Designed and implemented improvements to systems and circuits
- Collaborated with the international R&D department to design PCBs and sonar systems
- Tested sonar systems for high resolution sea floor mapping and target identification

Monolithic Sound Inc. - Nipomo, CA 1985-2003

Production, Engineering and Technical Supervisor for manufacturer of audio systems

- Supervised production line
- Troubleshooting circuit boards
- Product development
- Product, PCB, and audio system design
- Customer service and repair
- Designed production test fixtures
- Wrote production and test procedures

Skills

- Circuit board and system troubleshooting
- Testing of computers, power amplifiers, logic devices, and electronic systems
- Created test programs for Audio Precision test system
- Electronic design utilizing OrCAD schematic design software, LT Spice, and Cadence Allegro
- Mechanical design – system chassis design utilizing Dassault Draftsight software
- Computer setup, including installing operating system images and configure BIOS
- Customer support – circuit board and system repair and field service
- Field service – system health check and system repair & maintenance
- Software validation – install and test new versions of software and firmware
- Design, assemble and test prototypes
- Acoustic test and measurement
- Use of MS Office
- Repair Teledyne-RESON sonar equipment

Education

- Allan Hancock CC, Santa Maria CA - Computer Aided Design classes
- East Los Angeles Community College – Analog and digital electronics classes
- Alhambra High School - 1971-1975
- Garfield Elementary School, Alhambra California, 1965 - 1971
- *Lou Henry Hoover Elementary school, Whittier, CA - Spring 1965*
- *Palau Elementary School, Koror Palau U.S. Trust Territory, 1963 and 1964*

Community activities:

Board of Trustees Unitarian Universalist Congregation of San Luis Obispo County, Sierra Club hike leader, Board of Trustees Central Coast Country Dance Society, Board of Trustees Live Oak Unitarian Universalist Congregation of Goleta, Audio and Video system operation at Live Oak UU Congregation of Goleta