

# STEPHEN H. OSBORN

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## EDUCATION

**University of Phoenix – MBA/TM December 1998**  
MBA/Technology Management Program.

**Brigham Young University – BSEE August 1988**  
Computer and Software Engineering

## PROFESSIONAL EXPERIENCE

**Zrak Systems LLC**  
Owner and Embedded Systems  
Engineering Consultant  
August 2006 to Present

**Vitesse Semiconductor Corp**  
**/Sitera Inc** (Purchased by Vitesse)  
Sr. Field Applications Engineer  
Sr. Customer Service Engineer  
May 1999 to August 2007

**Applied Technologies Inc.**  
Sr. Electrical Engineer,  
Mgr. Business Development  
August 1993 to May 1999

**Codar Technology Inc.**  
July 1992 to July 1993

**Rockwell International Inc.**  
September 1988 to June 1992  
**U.S. Navy** - 1978 to 1984

## PROFESSIONAL SKILLS

### System Design Experience:

- Embedded Computing Systems
- Ethernet and Storage Systems
- Power Supply and Power Distribution Systems
- Ruggedized and Environmentally Sealed Systems

### Digital Design Experience:

- High Speed Low Noise Digital Design
- Digital Signal Processing using PIC and ARM7
- Embedded 8051, ARM7, and PIC Designs
- Hardware and Software Integration
- ASICs, FPGAs and CPLDs

### Analog Design Experience:

- Amplifiers and Active Filters
- A/D and D/A and Mixed Signal Designs
- Switching and Linear Power Supply Design

### Software Design:

- Embedded Firmware Design
- Real Time Multitasking RTOS Applications
- System Control Applications
- Data Collection and Analysis Software
- Diagnostic and Test Software

### Programming Languages:

- Embedded C for ARM and 8051 Systems
- C and Scripting for x86 Linux
- C++ and C# for Microsoft Windows
- Assembly for 8051 and Microchip PIC

### Project Management:

- Display Excellent Written, Oral, and Presentation Skills
- Collaborate With Executives, Staff, Customers, and Partners
- Thrive in Multi-Tasking Cross-Functional Environments
- Develop and Direct Innovation from Concept to Launch
- Create Efficient Teams, Budgeting Personnel and Resources
- Assess and Evaluate Individual Talents and Mentor Growth
- Empower Individuals and Teams to be Innovative.
- Assist in System Design, Verification, and Validation
- Evaluate and Resolve Interpersonal Issues

### Sales and Marketing:

- Track and Report Customer Requirements
- Support and Instruct International Customers
- Present Sales and Marketing Data to Customers
- Train Company and Customer Technical Staff
- Support Customer Technical Design Cycle
- Assist in Debugging Customer Systems
- Conversant with Storage, Ethernet, and Telecom Markets

## PERSONAL INTERESTS

BSA Scoutmaster

Amateur Magician

Woodworker

Martial Artist