

# David Allen Smith

## Education

1986 Stanford University Palo Alto, CA  
• Master of Science, Computer Science/Computer Engineering

1976–1980 University of California San Diego, CA  
• Bachelor of Science, Computer Engineering

## Experience

2003-present Dave Smith Software Santa Rosa, CA  
**Consultant**  
Developed QuickTest (Mercury Interactive) GUI tests for Caymas Systems.

1998-2003 Cisco Systems (née Cerent) Petaluma, CA  
**Technical Lead (2002 – 2003)**  
• Developed WinRunner test scripts to automate testing of the Cisco 15454 craft interface, and developed Tcl test libraries to test the SNMP, TL1, and Http interfaces to the Cisco 15454 network element.

**Software Project Manager (1998 – 2002)**  
• Established the Management Software project, and grew it to a team of twelve engineers.  
• Designed and developed the Cisco Transport Controller, a java application that allows users to manage the Cisco 15454 Optical Transport Platform. CTC supports Fault Management, Configuration Management, Performance Management and Security Management.

1995–1998 Next Level Communications Rohnert Park, CA  
**Principal Engineer**  
• Designed and developed the program guide firmware for a set-top box. Challenges included presentation of data on an interlaced television screen and compression of the raw data for transmission to the set-top box.  
• Designed and developed SONET facility management software for the NLevel<sup>3</sup> Fiber-To-The-Curb Access System.

1980–1995 Hewlett-Packard (now Agilent) Santa Rosa, CA  
**R&D Project Manager**  
• Led software development for the HP84000 series RF-IC tester.  
**R&D Engineer**  
• Designed and developed firmware for the HP70000 series modular spectrum analyzer.

1988-1993 DLM Software Santa Rosa, CA  
**Founder**  
• Developed and marketed Shredder™, a file erasure utility written for the Macintosh, using Symantec's Think Pascal™.

1978–1980 University of California San Diego, CA

**Programmer – UCSD Pascal Project**

- Developed quizzes for a computer automated testing system.
- Developed network drivers for an Ethernet network of Apple II computers, and developed a program to monitor the performance of the network.

**Teaching Assistant**

- Assisted the introductory computer science course.

**Languages/Tools**

Operating Systems – Solaris, HP-UX, Macintosh, OS9000, VxWorks, pSOS  
Languages – Java, C, C++, VB Script, Motorola 68000 assembler  
Libraries – Swing, Motif, X-Windows  
Protocols – ATM, CORBA, GP-IB (IEEE 488), SCPI, SNMP, SONET, TL1  
Tools – QuickTest, WinRunner, ClearCase, JBuilder, JProbe, Purify, ResEdit, Think Pascal, MPW

**Interests**

Jogging, skiing, Scouting.

**Awards**

Holder of two patents for software user interface algorithms.  
Eagle Scout.