## David L. Madison

### Objective

I am currently looking for either full-time work or contract work in Silicon Valley

Home: 415.341.5555 *(call between 11a-8p PST)*  
Email: daveola@gmail.com

### Work Experience

Verification Engineer, Bluechip Systems. May 2015 - Jan 2016.

* Verified secure communications between apps/device and an embedded SoC running a custom Linux on a custom CPU

Verification Engineer, 3Plus1. Jul 2007 - Dec 2013.

* Managed verification for a complex, fully-custom processor under a very tight schedule
* Created complete toolchain and testbenches for entire CPU verification process, from block level to full-chip to SOC.
* Created highly sophisticated test packer/generator for VLIW CPU

Shareware Programmer, [WizPort](http://DaveSource.com/Projects/WizPort) Project June 1993

In college I spent a number of years creating a large software project called the WizPort, a solution to a very complex UNIX problem used by a large number of users. It created a secure telnet server with a pseudo-machine and restricted shell, and it could be run without root access.

Project information and references available on request.

### Skills

Computer Languages

Fluent in C, Ruby, Perl, Java, Scheme, Verilog and many versions of Assembly. I often become the perl guru/resource wherever I work. I can do C++, but I'm not a fan.   
Experience with: Lisp, Python, Basic, Fortran, sed, yacc, sh, ksh, zsh, csh, tcsh, etc..

[Breaking things](http://DaveSource.com/Bugs/)

I like to use things in new and interesting ways, this is one of the things that sets me out as a verification engineer. I have managed to break and find bugs in almost every tool I have used, such as:  
gcc, cpp preprocessor, HPUX CC, HPUX linker, various assemblers, perl (2 so far), various shells (tcsh, ksh, ..), verilog simulators (VCS, ESP), rccs, etc..

### Education

**Degree:** B.S. ECE/CS (Double major: [Electrical Computer Engineering](file:///redir.cgi%3Fhttp://www.engr.wisc.edu/ece/) with Computer Option and [Computer Science](file:///redir.cgi%3Fhttp://www.cs.wisc.edu/))

**School:** 1989-1994: [University Of Wisconsin](file:///redir.cgi%3Fhttp://www.wisc.edu/), [Madison](file:///redir.cgi%3Fhttp://www.ci.madison.wi.us/)

[**Time's Person of the Year,**](http://en.wikipedia.org/wiki/You_(Time_Person_of_the_Year)) 2006