

# David L. Delorenzo

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## Education

Bachelor of Science in Electrical Engineering ♦ University of Washington, Seattle, WA

## Technical Skills

- ❖ Strong problem solving and debugging experience.
- ❖ Experienced with scripting languages and applications.
- ❖ Experience with Linux/Unix shell scripting.
- ❖ Deep understanding of hardware components and functions.
- ❖ Experience building simple websites from front to back end.
- ❖ Strong interpersonal and written communication skills.
- ❖ Experience writing and verifying test cases.
- ❖ Strong Object oriented programming experience.
- ❖ Familiar with HTTP, USB, RS-232, SPI, and I2C.
- ❖ Experience with server QA and testing.
- ❖ Windows, Mac, and Linux friendly.

## Programming Languages

- ❖ Experienced in Java, C++, C, and Verilog.
- ❖ Familiar with Ruby, MySQL, HTML, CSS, and Python.

## Software Experience

- ❖ Experienced with Eclipse, Jira, Xcode, VisualVM, JMeter, Code Composer Studio, Visual Studio, Excel, Power Point, Word, and Visio.
- ❖ Familiar with Splunk, Jenkins, Confluence, and MATLAB.

## Technical Work Experience

### Software Developer in Test

**Cequint**, 1011 Western Ave. Suite 100 Seattle, WA 98104 ♦ May 2014 - Present

*Accomplishments/Experience:* Write and run scripts to test code updates on the server and client side.

Run regression tests upon new code releases. Load test using Splunk, JMeter, and Visual VM. Test android devices via the Android Debug Bridge (adb). Verify server related tickets in different environments. Work with Linux/Solaris based servers.

### Project Engineer

**Peckham Technology Inc.**, 145 E Jewett Blvd White Salmon, WA 98672 ♦ June 2013 – January 2014

*Accomplishments/Experience:* Developed C and Verilog code for the transponder portion of the Google Loon Project. Co-Developed code in C++ for a demo Rock Climbing Alarm System. Personally configured source control software (subversion) for the company.

Developed sample website for Client on BeagleBone. Developed C++ code for sample touch screen application using QT Creator and a BeagleBone.

### Electrical Engineering Intern

**Quest Integrity Group**, 19823 58th Pl S #100 Kent, Washington 98032 ♦ Summer 2011 –Spring 2013

*Accomplishments/Experience:* Involved with C coding for companies internal pipe grading algorithm.

Directly involved with controlling inventory and quality for specially designed transducers. Dealt with Vendors to obtain RMA numbers and replacement parts. Wrote technical reports on various testing done. Soldered parts and debugged circuits based on head engineer's instructions. Created Bill of Materials for board layouts. Over-saw electrical aspects of re-wiring control box for a tool test loop.

## Related Coursework and Projects

Experience gained in RTOS and C++ multithreading, ARM structure and coding practices, MIPS CPUs architecture, data structures and algorithms, FPGAs coding practices, EE Bench tools, Arduino, PICS, and electronic circuit design.

## Professional References

**Elliot Weil** Software Test Engineer at Cequint / [elliottw44@gmail.com](mailto:elliottw44@gmail.com)

**Bob Delorenzo** Engineering Manager at Quest Integrity Group / [B.Delorenzo@questintegrity.com](mailto:B.Delorenzo@questintegrity.com)

**Allan Engelhardt** Electrical Engineer at Quest Integrity Group / [A.Engelhardt@questintegrity.com](mailto:A.Engelhardt@questintegrity.com)