

# Kyle J. Weller

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<http://kywe665.com>

## EDUCATION

**Bachelor of Science**, Electrical Engineering  
Brigham Young University, Provo, Utah. GPA: 3.03/4.0

Expected April 2013

## TECHNICAL SKILLS

**Languages:** Javascript, HTML5, CSS3, JQuery, Node.js, Matlab, Groovy, Java, Jade, Less, C/C++, Verilog, VHDL, XML, ASP.NET, MVC, SQL, and Assembly for several ISAs.

**Software:** HFSS, Xilinx ISE, Simulink, Altium ADS, PSpice, Visual Studio, Node.js, IIS, CouchDb, Tortoise Svn, Github, Wireshark, Adobe Photoshop, Windows, Mac, and Linux OS.

**Hardware:** FPGA Design, State Machines, Arduino, Gumstix, Raspberry Pi, CPU design, MSP430, LC-3, x86, VGA controllers, UART, Planar Antennas, and RF Microstrips.

**DSP/Comm:** QPSK/BPSK QAM/PAM modulators and matched filter detectors, FIR and IIR filter design, Simulink DSP, network S-paramaters, power dividers and couplers.

**Web:** HTTP TCP and UDP web servers, WebSockets, SSH/Telnet, DOM, OAuth2.

**Lab:** Digital/Analog circuits and filters, Oscopes, Func Generators, and Network Analyzers.

## EXPERIENCE

**System Test Engineer**, L-3 Communications. SLC, UT. Nov 2012 – Present

- Developing software to test integration and functionality of hardware/software systems.
- Testing datalink connections between ground station, aircraft, and satellite systems.

**Project Manager**, SmartComm Team BYU. Provo, UT. Aug 2012 – Dec 2012

- Led a team of engineers to design and fabricate 15+ Ka band antennas for UAVs.
- Maintained weekly contact with customers to discuss needs.
- Organized complex timeline of project and set goals to reach specifications.

**Software Engineer**, SpotterRF. Orem, UT. Apr 2012 – Nov 2012

- Designed and developed software to integrate with the hardware in radar systems.
- Developed testing frameworks to identify points of system instability.
- Redesigned existing software to have a polished, professional, and intuitive interface.

**Web Developer**, BYU Broadcasting. Provo, UT. Apr 2011 – April 2012

- Developed and maintained user interfaces on byutvsports.com and byutv.org.
- Created flexible and efficient widgets that adapted to live events.
- Developed a social profile system that integrated other media and social networks.

## EXTRACURRICULAR

4+ years of leadership experience with teams ranging from 3-50 people

2<sup>nd</sup> place EE Laser Monster Truck Rally

Bilingual: Spanish

Eagle Scout



kywe665.com  
**MY PORTFOLIO**