**Kyle J. Weller**

925.681.9827

kywe665@gmail.com

http://kywe665.com

**EDUCATION**

**Bachelor of Science**, Electrical Engineering Expected April 2013

Brigham Young University, Provo, Utah. GPA: 3.03/4.0

**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.



kywe665.com

**EXTRACURRICULAR**

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

2nd place EE Laser Monster Truck Rally

Bilingual: Spanish

Eagle Scout

**MY PORTFOLIO**