# Kyle J. Weller

925.681.9827
kywe665.com
kywe665@gmail.com

## SUMMARY

Senior level undergraduate student studying Electrical Engineering. Seeking full-time employment upon graduation in April 2013.

## EDUCATION

**Bachelor of Science**, Electrical Engineering                    April 2013
Brigham Young University, Provo, Utah. GPA: 3.0/4.0
**HS Diploma**, Clayton Valley, California. GPA: 4.2/4.0                    June 2007

## CURRICULUM EMPHASIS

Digital Signal Processing        EM Waves        Digital Hardware        Wireless Communications

## TECHNICAL SKILLS

DSP techniques, Digital/Analog Circuit Design, Digital/Analog Filters, Lab Experience with Oscopes, Func Generators, and Network Analyzers, HTTP TCP and UDP Web Servers.

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

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

**Hardware:** FPGA Design, State Machines, Arduino, Microcontrollers, CPU design, ISA for MSP430 and LC-3, Digital Logic, and High Frequency Microstrips.

## EXPERIENCE

**Project Manager,** SmartComm Senior Project. Provo, UT.          August 2012 – Present
Design of wireless communication systems for UAVs.
**Responsibilities**: Leader of a team of engineers to design and fabricate lightweight, compact Ku band antenna systems. Coordinator with faculty members on project design reviews.

**Software Engineer,** SpotterRF. Orem, UT.                    April 2012 – Present
Designed and developed software to integrate with the hardware in our radar systems.
**Responsibilities:** Developed testing frameworks to identify points of system instability. Created new tools that became invaluable to the company. Redesigned existing software to have a polished, professional, and intuitive interface. Developed in Linux environments.

**Web Developer**, BYU Broadcasting. Provo, UT.                    April 2011 – April 2012
Developed and maintained user interfaces on byutvsports.com and byutv.org.
**Responsibilities**: Designed and developed several pages on our main websites. Created flexible and efficient widgets that integrated live media. Developed a profile system for social interaction. Used third party APIs for collaboration of media and social networks.

## EXTRACURRICULUR

Bilingual: English, Spanish.
2nd place EE Laser Monster Truck Rally
Working on a patent for a mobile electronics charging system
Eagle Scout