

Derek Welty

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Education

Missouri University of Science & Technology

MS IN ELECTRICAL ENGINEERING

GPA: 4.0/4.0

Rolla, MO

August 2013 – May 2018

Missouri University of Science & Technology

BS IN ELECTRICAL ENGINEERING, MINOR IN MATHEMATICS

GPA: 3.93/4.0

Rolla, MO

August 2008 – December 2012

Experience

Garmin International

SENIOR DESIGN ENGINEER

- Designed and developed complex PCBs with analog, digital, and RF circuitry
- Worked and visited with factory team in Taiwan to design for manufacturability
- Tested and debugged hardware with use of proficient troubleshooting skills
- Project engineer leading individuals across multiple disciplines
- Supported automotive mass production consumer electronics

Olathe, KS

March 2017 – Present

DOE National Security Campus, Managed by Honeywell

ELECTRICAL ENGINEER III

- Lead tester design engineer implementing hardware and software automated test solutions
- Procured COTS instrumentation for use with custom designed PCBs
- Interfaced with customers and supported earned value management project planning
- US Government Security Clearance

Kansas City, MO

January 2013 – March 2017

Sprint Nextel Corporation

NETWORK ENGINEER INTERN

- Developed VoIP Android IMS client using Java
- Debugged client/server communications by analyzing raw packets
- Utilized protocols such as UDP, SIP, and RTP

Overland Park, KS

May 2012 – August 2012

Cargill Corn Milling Inc.

PRODUCTION MANAGEMENT ENGINEER CO-OP

- Served as a project manager for various installations
- Focused on power and automation
- Hired and managed a team of contractors

Eddyville, IA

May 2011 – December 2011

Lumate, LLC

UI/UX DEVELOPER

- Created in-house and customer specific graphics for mobile apps (Android, iOS)
- Backend web development (Python, jQuery, HTML)
- Interfaced directly with customers creating logos, flyers, posters, t-shirt designs and brochures.

St. Louis, MO (Remote)

October 2010 – March 2015

Skills

Programming: VB.NET, Python, Java, MATLAB, Powershell, Github, Subversion, TestStand, Linux, ADB, Visual Studio

Hardware: Oscilloscopes, DMM, VNA, Raspberry Pi, Arduino

Engineering: PCB Design, Mentor Graphics, CADSTAR, OrCad, SPICE, EMC/EMI, Solidworks

Graphic Design: Photoshop, Illustrator

Miscellaneous: MS Office, MS Project, Excel, Android

Awards

2016 **Honeywell Aerospace Outstanding Engineer Award,**

Honeywell