

Derek Welty

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Objective	Dedicated electrical engineer with five years experience in test engineering and product development seeking challenging environment demanding high performance	
Education	Missouri University of Science and Technology M.S. Electrical Engineering Graduate Certificate: Network Centric Systems <i>Coursework:</i> Stochastic Signal Analysis, Digital Network Design, Wireless Networks, Network Performance Analysis and Modeling, Resilient Networks, Power Electronics, Advanced Electromagnetics, Microwave Engineering, Antennas & Propagation	Expected May 2018 GPA: 4.00/4.00
	Missouri University of Science and Technology B.S. Electrical Engineering , <i>summa cum laude</i> Minor: Mathematics	Dec 2012 GPA: 3.93/4.00
	Honors & Activities: Eta Kappa, Nu, IEEE, Student Union Board – Director of the Year , NFIB – Young Entrepreneur Scholarship Recipient	
Experience	Garmin International Design Engineer 2 <ul style="list-style-type: none">Designed and developed complex analog, digital and RF circuits for Marine and RV consumer electronicsWorked with factory team to understand manufacturabilityTested hardware with use of proficient troubleshooting and EE skills	Olathe, Kansas Mar 17 - Present
	DOE National Security Campus, Managed by Honeywell Engineer III Electrical <ul style="list-style-type: none">Leads technical tester design projects implementing automated test solutions for production and development activitiesSupports custom tester development projects, interfacing with customers, executing project plans and supporting productionSupports project planning and manages project resources, including multiple individuals and disciplines, to achieve quality, delivery, and cost objectivesUS Government Security Clearance	Kansas City, MO Jan 13- Mar 17
	Honors & Activities: Six Sigma Green Belt, 2016 Honeywell Aerospace – Outstanding Engineer Award	
	Sprint Nextel Corporation Network Engineer Intern <ul style="list-style-type: none">Developed an Android IMS client for VoIP purposesDebugged client/server communications by analyzing packets (Wireshark)Utilized protocols such as UDP, SIP and RTP	Overland Park, KS May 12- Aug 12

Experience	Cargill Corn Milling Inc.					Eddyville, Iowa	
	Production Management Engineer Co-op					May 11- Dec 11	
	<ul style="list-style-type: none"> Served as a project manager for various installations Focused on power and automation Hired and managed a team of contractors 						
	Lumate, LLC					St. Louis, MO	
	UI/UX Developer					Oct 10- Mar 15	
	<ul style="list-style-type: none"> Created in-house and customer specific graphics for mobile apps (Android, iOS) Web Development (Python, jQuery, HTML) Interfaced directly with customers creating logos, flyers, posters, t-shirt designs and brochures. 						
Skills	MS Office	SPICE	MATLAB	Simulink	EMC/EMI		
	Java	VB.NET	C++	Python	Windows		
	Linux	Github	Subversion	OSI Model	Mentor Graphics		
	Solidworks	Visual Studio	MS Project	OrCad	PCB Design		
	FPGA	CPLD	Embedded	VoIP	SIP/RTP		
	Visio	SPI	RF	ADC/DAC	Analog Design		
	Multi-meters	DMM	Arduino	RPi	Oscilloscopes		