

Ho Yun “Bobby” Chan

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Objective:	To obtain a full time position as a quality assurance specialist within the product development department at SparkFun Electronics Inc.		
Education:	University of Colorado at Boulder B.S. in Electrical and Computer Engineering	Graduation Class: Winter 2010 Cumulative GPA: 2.798	
Hardware Skills:	Multimeter; Oscilloscope; Frequency Generator; Logic Analyzer; Network Analyzer; FPGAs; Arduino; Laser Cutter Basics; Soldering Iron; Hot Air Rework Station; Depanelizer; Trident PCB Washer		
Software Skills:	PSPICE (<i>Schematic Capture</i>); Altium; Eagle; Wikis & WYSIWYG Text Editors; Markdown; HTML Tags; GitHub; Google SketchUp (<i>3D Modeling</i>); LabView (<i>graphical programming</i>); MatLab; Assembly Language; C; C++; Atmel Studio; Audacity; VirtualDub Video Editing; Microsoft Office Suite; Basic Adobe Photoshop CS3; Paint		
Technical Experience (Solo/ Team Projects):	SparkFun Electronics Inc.		
	- <i>Technical Support Representative (Work)</i>		November 2012-present
	<ul style="list-style-type: none">• Interpret datasheets, hookup guides, board layout files, measure dimensions• Suggest products to purchase & ensure that the products work as expected• Provide tech tips/resources for customers & other representatives in comments• Answer customer emails, phones, chat• Issue RMAs, stress testing, failure analysis, & possibly reworking board• Determine stock errors & provide a solution• File issues in product pages, tutorials, GitHub• Maintain known good shelf, replacement shelf, tech support feedback, work bench• Answer general customer service questions		
	- <i>Production Assembly Technician (Work)</i>		June 2010 – November 2012
	<ul style="list-style-type: none">• Assemble products during any phase of its development for SparkFun• Stencil paste soldering, plated through hole (PTH) soldering, component population, oven reflow, depanelization, PCB cleaning, rework, inspection for quality control, product testing, troubleshooting, debugging		
	Personal Projects		2014-Present
	<ul style="list-style-type: none">• Choreographed Lights for Dancing<ul style="list-style-type: none">◦ EL Shirts, LED Straps, Accelerometer Controlled LED Strap, XBee point-to-multipoint EL Dance Suits w/ glove• GPS Clock w/ a button to adjust for MST/MDT• Wireless Bluetooth Audio for Dance Studios• Light Up Pumpkins w/ line passing XBee Series 1		
	CU Mentoring through Critical Transition Points (MCTP)		Summer 2008 - Winter 2010
	<i>- Undergraduate Research Assistant under the National Science Foundation & Applied Mathematics Department (Work)</i> <ul style="list-style-type: none">▪ Design, build, and test circuits▪ Gather data on convection for stability theory computations		
	CU ECEN Capstone Expo Spring 2010 - Team PokerTech Engineer		Spring 2010
Teaching Experience:	<ul style="list-style-type: none">▪ Worked in a 3 person team to design, build, & execute a wireless RFID poker table to monitor the current state of play▪ Develop & merge hardware with software▪ Create User & Technical Manual for future Capstones		
	Streetside Studios - B-boy/B-girl Instructor (Work)		January 2010 – present
	<ul style="list-style-type: none">▪ Independent contractor for Streetside Studios teaching "break dancing" to youths between 7-12 years old		
	CU Applied Mathematics - Calculus I & II for Engineers Learning Assistant (Work)		Fall 2008 & Spring 2009
	<ul style="list-style-type: none">▪ Graded homework & exams▪ Held weekly homework sessions and workshops▪ Held Oral exams before the exams as review		
Honors/Awards:	Award for Outstanding Participation in the MEP Summer Bridge Program		2005
	Thomas Jefferson High School Salutatorian		2005
Activities:	Worm Tank Crew		2010 - Present
	Front Range Rockers - Break Dancing Club at CU		2006 - Present
	CU Engineering Ambassador		Spring 2006 - Winter 2010