

# Ho Yun “Bobby” Chan

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