

Jared Kirschner

Portfolio www.jaredkirschner.com

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Objective

To obtain a full-time position working on impactful projects using my electrical and computer engineering skillset.

Education

- Franklin W. Olin College of Engineering**—Needham, MA May 2013
Candidate, Bachelor of Science in Electrical and Computer Engineering, 3.97/4.0 GPA *expected*
- Awarded four-year, full tuition Olin Scholarship
 - Relevant coursework: Control Systems, Robotics, Circuits, MAD-VLSI, Modeling and Simulation, User-Oriented Design, Failure Analysis & Prevention, Environmental Policy & Entrepreneurship
- Barry Goldwater High School**—Phoenix, AZ; *Valedictorian, 4.0/4.0 GPA* May 2009
- IB Diploma; AP Scholar, Distinction; National Merit Finalist; U.S. Presidential Scholar Semifinalist

Experience

- Engineering Consultant, Project Manager, Corporate Liaison**—Analogic, Peabody, MA Sept 2012
• Increasing throughput of ultra-high speed wireless data link for CT scanner *-present*
- Lead Electrical and Computer Engineer**—Lit Motors, San Francisco, CA June 2012
• Performed design analysis, electrical hardware specification, and project management *-Aug 2012*
• Architected and implemented all software for self-balancing, fully-electric, enclosed motorcycle prototype, enabling Lit Motors to place 2nd in TechCrunch Disrupt San Francisco 2012
- Engineering and Business Consultant, Corporate Liaison**—Vodafone and Rickshaw Bank, Assam, India Jan 2012
• Developed sustainable ventures with local partners and social entrepreneurs to alleviate poverty *-June 2012*
• Focused on creation of automated dispatch system for the benefit of rickshaw pullers
- Motion Control Engineer**—National Instruments, Austin, TX May 2011
• Multiplexed and optimized motor control IP in LabVIEW FPGA for SoftMotion package *-July 2011*
• Verified functionality of NI-9502 IP in pure software and hardware-in-the-loop testing
- Product Design Consultant, Project Manager, Corporate Liaison**—Preserve Products, Waltham, MA Sept 2010
• Investigated filler inclusion in Everyday Plate Line according to material and product needs *-Dec 2010*
• Provided findings and product recommendations via oral presentation and formal paper
- Bioinformatics Intern**—Translational Genomics Research Institute (TGen), Phoenix, AZ June 2010
• Implemented data analysis tools for proteomics research in R programming language *-July 2010*
• Selected from 54 interns to present at intern symposium to external audience of 100s

Extracurricular Activities

- Software Team Lead**—Olin Robotic Sailing Team (www.olinsailbot.com) Nov 2011
• Created fully autonomous sailboat; long-term goal of first autonomous crossing of Atlantic Ocean *-present*
• Architected software for fully-autonomous sailboat presented at NIWeek 2012
• Team placed 2nd in international autonomous sailboat competition in founding year

Awards and Certifications

- 1st Place Poster for *Evolverilog Project* - Consortium for Computing Sciences in Colleges NE Region 2012
- Certified LabVIEW Developer

Skills

Programming: LabVIEW; Python; Matlab & Simulink; R; Verilog; Ruby; Javascript; C/C++; Java

Software: Microsoft Office; Google Docs; Inkscape, Photoshop; LaTeX; SVN, Git; LTSpice, Magic, Eagle