

Sean Thomas Burke

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Education	University of California, Irvine <ul style="list-style-type: none">• Bachelor of Science in Electrical Engineering GPA: 3.232• Minor in Informatics & Computer Science• Minor in Management	June 2013
Technical Skills	Software Skills <ul style="list-style-type: none">• Languages: <i>PHP, Visual Basic, Actionscript 3.0, MySQL, Java, C++, VHDL, Matlab, Python</i>• Websites: <i>seantburke.com, sigmanuuci.com</i>• IDEs: <i>Visual Studio, EagleCAD, Terminal, Eclipse, Xcode, Xilis, PIClab, PSPICE</i>• Projects: <i>PHP Libraries, Directory Organizer, Database Management</i> Electrical Skills <ul style="list-style-type: none">• Instruments: <i>Soldering Iron, Digital Multi-Meter, Oscilloscope, Microcontrollers</i>• Past Projects: <i>2-way Amplified Intercom, 3-bit Flash ADC,</i>• Current Projects: <i>Smart RFID Devices, Desktop Visual Basic App, Web App,</i>	
Experience	MIDAS Laboratory (Li-Bachman Lab) Irvine, CA Undergraduate Researcher <ul style="list-style-type: none">• Developing RFID technology for improving the medical industry• Designed hardware and PCB boards with EagleCAD and programmed microcontrollers• Redesigning the data structure of the microcontroller for easier user interface communication• Writing a desktop application using API from ST for communication with RFID board Thales Avionics Irvine, CA Systems Engineer Intern <ul style="list-style-type: none">• Performed Final Systems Acceptance Testing on flight systems before the customer• Gained knowledge in large scale networks; specifically servers on In-Flight Entertainment systems• Worked with Airbus and Boeing configurations for major airline companies• Troubleshoot entire systems for wiring issues, network problems and power failures• Innovated a new management process to improve testing productivity Claire Trevor School of the Arts Irvine, CA Student Technician/IT Consultant <ul style="list-style-type: none">• Assisting faculty and students with computer-related, technical problems• Providing technical service to all staff and students in the Arts Department• Gained knowledge in supporting client-servers• Improving skills in computer assembly and knowledge in computer repairs• Improving skills in communication and customer service	June 2010 - Present Sep 2010 - Present June-Sept 2010 June -Sept 2010 Oct 2008–Present Oct 2008–Present
Activities	Engineering Student Council Irvine, CA Cabinet Member - Corporate Affairs Co-Chair <ul style="list-style-type: none">• Hosting the annual EngiTECH Career Fair for the Henry Samueli School of Engineering• Managing an event for the Engineering Student Council with revenue of \$25,000• Contacting companies and sponsors to donate and attend the EngiTECH Career Fair• Managing a committee of 20 members to delegate duties• Improving skills in database management, event planning and customer relations• Improving skills in professional networking, team leadership and management Other Organizations <ul style="list-style-type: none">• Engineers Mentoring the Future – <i>Mentor for two Mentees</i>• Institute of Electrical and Electronics Engineers – <i>Active member</i>• Sigma Nu Fraternity, Inc. – <i>Historian</i>• Sigma Nu Fraternity, Inc. – <i>Webmaster for a 400+ user login PHP website</i>	Sep 2009–Present Apr 2010–Present Sep 2010–Present Jan 2010–Present Sep 2008–Feb 2010 Feb 2009–Feb 2011
Awards	Academic Awards <ul style="list-style-type: none">• Oracle Community Impact Grant – <i>Award of \$4,650.00</i>• Fastest Circuit Design in EECS70B Lab – <i>DC to AC to DC Circuit</i>	Mar 2010 April 2010