Sean Thomas Burke

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Education	**University of California, Irvine**	**June 2013**
	Bachelor of Science in Electrical Engineering **GPA: 3.234**	
	Minor in Informatics & Computer Science, Minor in Management	
	Scholarships and Grants	
	Smart Grant-National Science & Mathematics 2009– *Award of $2,666*	
	Smart Grant-National Science & Mathematics 2010– *Award of $3,001*	
	Oracle Community Impact Grant 2010– *Award of $4,650*	
	Oracle Community Impact Grant 2011– *Award of $7,500*	

Technical Skills	**Software Skills**
	Languages:
	• Advanced*: Object Oriented PHP, Visual Basic, Java, HTML, CSS*
	• Intermediate*: MySQL, C++, C, HSPICE, Actionscript 3.0,*
	• Beginner: *VHDL, Matlab, Python, Android*
	Websites: *http://www.seantburke.com*, *http://www.sigmanuuci.com*
	• IDEs: *Visual Studio, EagleCAD, Terminal, Eclipse, Xcode, Xilis, PIClab, PSPICE*
	• Projects: *PHP Libraries, Directory Organizer, Desktop Visual Basic App,*
	Electrical Skills
	• Instruments: *Soldering Iron, Digital Multi-Meter, Oscilloscope, Microcontrollers*
	• Projects: *2-way Amplified Intercom, 3-bit Flash ADC, Smart RFID Devices*

Experience	**MIDAS Laboratory (Li-Bachman Lab)** *Irvine, CA*	**June 2010 - Present**
	Undergraduate Researcher	Sep 2010 - Present
	• Developing RFID technology for improving the medical industry	
	• Designed hardware and PCB boards with EagleCAD	
	• Writing the Visual Basic device application using API from ST	
	Thales Avionics *Irvine, CA*	**June-Sept 2010**
	Systems Engineer Intern	June -Sept 2010
	• Performed Final Systems Acceptance Testing on flight systems before the customer	
	• Gained knowledge in large scale server networks	
	• Worked with Airbus and Boeing configurations for Japan Air, Air Canada and more	
	• Troubleshot 5+ airplane systems for wiring issues, network problems and power failures	
	Claire Trevor School of the Arts *Irvine, CA*	**Oct 2008–Present**
	Student Technician/IT Consultant	Oct 2008–Present
	• Assisting faculty and students with computer-related, technical problems	
	• Providing technical service to all 1000+ staff and students in the Arts Department	
	• Improving skills in troubleshooting and customer service	

Activities	**Engineering Student Council** *Irvine, CA*	**Sep 2009–Present**
	Executive Board - President	Apr 2011–Present
	• Managing an organization of 95 members	
	• Improving skills in professional networking, team leadership and management	
	Cabinet Member - Corporate Affairs Co-Chair	Apr 2010–Apr 2011
	• Hosted the annual EngiTECH Career Fair with revenue of $25,000	
	• Contacted companies and sponsors to donate and attend the EngiTECH Career Fair	
	• Managed a committee of 20 members to delegate duties	
	• Improving skills in database management, event planning and customer relations	
	Other Organizations	
	• Engineers Mentoring the Future – *Mentor for two underclassmen*	Sep 2010–Present
	• Institute of Electrical and Electronics Engineers – *Active member*	Jan 2010–Present
	• Sigma Nu Fraternity, Inc. – *Webmaster for a 400+ user login PHP website*	Feb 2009–Feb 2011