Sean Burke

Permanent: 4527 Fairway Court, Livermore, CA 94551
Phone: (949) 371-9225 | Email: sean.thomas.burke@gmail.com
URL: http://www.seantburke.com/

Education	**University of California, Irvine**	**June 2012**
	Bachelor of Science in Electrical Engineering *GPA: 3.201*	
	Minor in Informatics & Computer Science, and in Management	

Technical Skills   **Computer Skills**
- OS/Software: *Mac OSX, Windows XP/ 7, Linux, Adobe, Office Suite, Google Docs*
- Technical: *Network Administration, Trouble-Shooting, Computer Assembly*

Software Skills
- Languages: *PHP, Java, C++, HTML, CSS, MySQL, VHDL, Matlab, Python,*
- Websites: *seantburke.com, sigmanuuci.com*
- IDEs: *Terminal, Eclipse, Xcode, Xilis, PIClab, PSPICE*
- Projects: *PHP Libraries, Directory Organizer*

Electrical Skills
- Instruments: *Soldering Iron, Digital Multi-Meter, Oscilloscope, Microcontrollers*
- Past Projects: *2-way Amplified Intercom, 3-bit Flash ADC*
- Current Projects: *RFID Tags, Web Applications*

Experience

MIDAS Laboratory (Li-Bachman Lab) *Irvine, CA*   **June 2010 - Present**
Undergraduate Researcher   Sep 2010 - Preset
- Developing RFID tags for research (proprietary information)
- Designing hardware and software using microcontrollers and other technology

Thales Avionics *Irvine, CA*   **June 10–Sept 10**
Systems Engineer Intern   June 10–Sept 10
- Performed Final Systems Acceptance Testing on flight systems before the customer
- Gained knowledge in large scale networks; specifically In-Flight Entertainment
- Worked with Airbus and Boeing configurations for major airline companies
- Troubleshot entire systems for wiring issues, network problems and power failures.

Claire Trevor School of the Arts *Irvine, CA*   **Oct 08–Present**
Student Technician/IT Consultant   Oct 08–Present
- Improved skills in computer assembly and knowledge in computer repairs
- Assist faculty and students with computer-related, technical problems
- Provide technical service to all staff and students in the Arts Department
- Improved skills in communication and customer service

Activities

Engineering Student Council *Irvine, CA*   **Sep 09–Present**
Cabinet Member - Corporate Affairs Co-Chair   Apr 10–Present
- Hosting the annual EngiTECH Career Fair for the School of Engineering
- Contacting companies and sponsors to donate and attend the EngiTECH Career Fair
- Managing a committee of 20 members to delegate work
- Improving skills in professional networking, team leadership and management

Institute of Electrical and Electronics Engineers *Irvine, CA*   Jan 2010–Present
- General member – attending weekly IEEE meetings

Sigma Nu Fraternity, Inc. *Irvine, CA*   Sep 2008–Present
- Webmaster – co-developed current website for 350+ members   Feb 2009–Present
- Historian – managed 50+ members for a composite picture   Sep 2008–Feb 2010

National Youth Leadership Forum on Technology *San Jose, CA*   July 2007
- Learned team leadership as the president of a 12-person team
- Innovated a new technology for protection against online predators

Awards

Oracle Community Impact Grant   Mar 2010
- Wrote about my involvement in the community for an award of $4,650.00

Fastest Circuit Design for a DC to AC to DC circuit in EECS70B Lab   Apr 2010
- Designed an op amp to full wave rectifier circuit faster than 100+ students

Class Winning Business Plan on a Bluetooth Keyless Entry Technology   Jan 2010
- Worked with a team of 5 to form a startup business in Bluetooth technology