Sean Thomas 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 2013**

- Bachelor of Science in Electrical Engineering
- Bachelor of Science in Business Information Management
  GPA: 3.234

Technical Skills

Software Skills

- Languages: *PHP, Visual Basic, Actionscript 3.0, MySQL, Java, C++, VHDL, Matlab, Python*
- Websites: *seantburke.com, sigmanuuci.com*
- IDEs: *Visual Studio, EagleCAD, Terminal, Eclipse, Xcode, Xilis, PIClab, PSPICE*
- Projects: *PHP Libraries, Directory Organizer, Database Management*

Electrical Skills

- Instruments: *Soldering Iron, Digital Multi-Meter, Oscilloscope, Microcontrollers*
- Past Projects: *2-way Amplified Intercom, 3-bit Flash ADC,*
- Current Projects: *Smart RFID Devices, Desktop Visual Basic App, Web App,*

Experience

MIDAS Laboratory (Li-Bachman Lab) *Irvine, CA*	**June 2010 - Present**
Undergraduate Researcher	Sep 2010 - Preset

- 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*	**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 networks; specifically servers on In-Flight Entertainment systems
- Worked with Airbus and Boeing configurations for major airline companies
- Troubleshot 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*	**Oct 2008–Present**
Student Technician/IT Consultant	Oct 2008–Present

- 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

Activities

Engineering Student Council *Irvine, CA*	**Sep 2009–Present**
Cabinet Member - Corporate Affairs Co-Chair	Apr 2010–Present

- 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

- Engineers Mentoring the Future – *Mentor for two Mentees*	Sep 2010–Present
- Institute of Electrical and Electronics Engineers – *Active member*	Jan 2010–Present
- Sigma Nu Fraternity, Inc. – *Historian*	Sep 2008–Feb 2010
- Sigma Nu Fraternity, Inc. – *Webmaster for a 400+ user login PHP website*	Feb 2009–Feb 2011

Awards

Academic Awards

- Oracle Community Impact Grant – *Award of $4,650.00*	Mar 2010
- Fastest Circuit Design in EECS70B Lab – *DC to AC to DC Circuit*	April 2010