# Sean Thomas Burke

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| **Education** | **University of California, Irvine** - GPA: 3.222 | **June 2013** |

- Bachelor of Science in Electrical Engineering
- Bachelor of Science in Business Information Management

**Technical**    **Software Skills**

- Advanced knowledge: *Android, PHP, Java, HTML, CSS, MySQL, jQuery*
- Websites Developed: *seantburke.com, sigmanuuci.com, esc.eng.uci.edu/escan, esc.eng.uci.edu*

**Electrical Skills**

- Instruments: *Soldering Iron, Digital Multi-Meter, Oscilloscope, Microcontrollers*

**Experience**    **Systems Engineer Intern –** Thales Avionics      Jun 2010 - Sep 2010

- Performed Final Systems Acceptance Testing before the customer
- Responsible for working with the customer, Air Canada, to ensure a quality product
- Worked with Airbus and Boeing configurations for Japan Air, Air Canada and more

**Undergraduate Researcher –** Calit2 & INRF      Jun 2010 – Present

- Mentored Java video game development to 2 high school students
- Developing an Android application for pediatric patients experiencing chemotherapy
  - Funded by the National Institute for Health (NIH)
- Developed RFID tracking technology for improving the medical industry
  - Funded by the National Science Foundation (NSF)

**Student Technician/IT Consultant –** Claire Trevor School of the Arts      Oct 2008 – Present

- Assisting faculty and students with computer-related, technical problems
- Providing technical service to all 1000+ staff and students in the Claire Trevor School of the Arts
- Improving skills in technical troubleshooting and customer service

**Leadership**    **President -** Engineering Student Council      Apr 2011 – Present

- Managing the official student government of the Henry Samueli School of Engineering
- Overlooking all Engineering Student Organizations within the Engineering School
- Managing an organization with 5 executive members, 16 cabinet members and 134 members overall
- Working directly with faculty and staff to host events which benefit the engineering community
- Improving skills in professional networking, team leadership and relationship management
- Hosted National Engineers Week 2012 with over 1200 participants and a budget of over $30,000

**Corporate Affairs Co-Chair -** Engineering Student Council      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

**Scholar -** University of California Leadership Excellence through Advance Degrees      Apr 2010 - Apr 2011

- Funded to conduct research for the University of California
- Pursuing an advanced degree in Computer Science
- Attend conferences to present current research

**Other Organizations**

- Engineers Mentoring the Future – *Mentored 3 individual mentees*      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 – Present

**Awards**    **Scholarships**

- $2,666 + $3,001 - Smart Grant-National Science & Mathematics      2009 + 2010
- $7,500 + $4,650 - Oracle Community Impact Grant      2010 + 2011
- $1,500 - UCI Alumni Association Distinguished Anteater Award      2011
- $9,500 - Boeing Scholarship Recipient      2011

**Awards**

- Deans Honor List      2011 Fall