Sean Thomas Burke

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http://www.seantburke.com/

Education University of California, Irvine - GPA: 3.215

URL:

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
 - o Funded by the National Institute for Health (NIH)
- Developed RFID tracking technology for improving the medical industry
 - o 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
- Led the planning for National Engineers Week 2012 an event which hosts over 1000 participants with a budget of about \$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 - <u>University of California Leadership Excellence through Advance Degrees</u>

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 – <i>Mentored for 3 individual mentees</i> | Sep 2010 – Present |
|---|--------------------|
| • Institute of Electrical and Electronics Engineers – <i>Active member</i> | Jan 2010 – Present |
| • Sigma Nu Fraternity, Inc. – Webmaster for a 400+ user login PHP website | Feb 2009 – Present |

Awards

Scholarships

Oracle Community Impact Grant 2011
Oracle Community Impact Grant 2010
2010

Last Update: 2/26/2012