Sean Burke

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Objective

To earn a leadership position in the field of electrical engineering 2010–2011

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, Windows 7, Linux, Adobe,*
- 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: *Electrodes in the Brain, 2-way Amplified Intercom*
- Current Projects: *3-bit ADC Flash*

Experience

Thales Avionics *Irvine, CA* **June–Sept 2010**
Systems Engineer Intern June 2010–Sept 2010
- Performed Final Systems Acceptance Testing on flight systems before the customer
- Gained knowledge in large scale networks; specifically In-Flight Entertainment
- Worked with Airbus/Boeing configurations for Air Canada, Japan Airlines, Etihad and more
- Troubleshot entire 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
- 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

Engineering Student Council *Irvine, CA* **Sep 2009–Present**
Cabinet Member - Corporate Affairs Co-Chair Apr 2010–Present
- Host the annual EngiTECH Career Fair for the School of Engineering
- Contact companies and sponsors to donate and attend EngiTECH Career Fair
- Manage a committee of 20 members to delegate work
- Improving skills in professional networking, team leadership and management

Activities

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 300+ members Feb 2009–Present
- Historian – managed 50+ members for a composite picture Sep 2008–Feb 2010

Arroyo Vista Student Council *Irvine, CA* Sep 2008–June 2010
- Represented the Engineering & Design House

National Science Bowl *Livermore, CA* Feb 2008
- Lead a team of 4 people to compete in the National Science Bowl

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/ Achievements

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 advanced circuit with the fastest time in a 100+ student class

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