### Sean Burke

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URL: http://www.seantburke.com/

## **Education** University of California, Irvine

**June 2013** 

- Bachelor of Science in Electrical Engineering GPA: 3.216
- Minor in Informatics & Computer Science, and in Management

#### **Technical Skills** Computer Skills

- **nputer 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, Actionscript 3.0, MySQL, Java, C++, HTML, CSS, VHDL, Matlab, Python
- Websites: seantburke.com, sigmanuuci.com
- IDEs: 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: RFID Technology, Web Applications

## **Experience**

### MIDAS Laboratory (Li-Bachman Lab) Irvine, CA

June 2010 - Present

Sep 2010 - Preset

- Developing RFID technology for improvement in the medical industry
- Designing hardware and software using microcontrollers and other technology

### Thales Avionics Irvine, CA

Undergraduate Researcher

June-Sept 2010 June -Sept 2010

Systems Engineer Intern
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.
- Innovated a new management process to improve testing productivity

#### Claire Trevor School of the Arts Irvine, CA

Student Technician/IT Consultant

Oct 2008-Present

Oct 2008–Present

- Assisting faculty and students with computer-related, technical problems
  - Providing technical service to all staff and students in the Arts Department
  - 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 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 database management, event planning and professional graphic design
- Improving skills in professional networking, team leadership and management

# Engineers Mentoring the Future Irvine, CA

Sept 2010–Present

• Mentor – Providing mentorship for two younger electrical engineers

# **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
 Historian – Managed 50+ members for a composite picture

Feb 2009–Present 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 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