

# HARSHITHA GAMAHEWAGE

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## EXPERIENCE

**HARDWARE ENGINEER** (Aug 2013 - Aug 2014)  
*Cisco Systems, Inc., San Jose, CA*

- Conducted circuit debugging, troubleshooting and failure analysis on high speed circuits up to 16 layers
- Performed system bring up and design validation in collaboration with engineering development teams
- Composed and presented detailed failure analysis reports to aid in hardware sustaining efforts of released products

**EXECUTIVE COMMITTEE MEMBER** (Sept 2012 - May 2013)  
*Senior Class Committee, UC Berkeley, CA*

- Co-founded the committee which contributed in raising more than \$120,000 within a year for the Class of 2013 Gift Campaign
- Spearheaded the marketing campaign that publicized and promoted the Gift Campaign via diverse forms of advertising
- Organized and oversaw all the fundraising events throughout the year
- Developed committee goals to achieve fund raising targets and enhanced personal relations among members
- Achieved a record-breaking 52% participation rate and won the Bob Sanderson Challenge Gift match

**TEACHING ASSISTANT** (Jan 2010 - May 2010)  
*Biological Sciences Department, Santa Barbara City College, CA*

- Organized and conducted review sessions for over 80 students prior to exams
- Coordinated and encouraged students to form study groups, which greatly improved their performances
- Advised students on how to improve their study habits and provided extensive tutoring in concepts in biology
- Received great commendation from students and a gift of appreciation from the professor for my dedicated effort

## SKILLS

- Experienced in leading, influencing, negotiating and delegating tasks through effective verbal and personal communication
- Innovative problem solver with a high tolerance and adaptability in high-pressure scenarios
- Highly organized and detail-oriented with effective time management skills
- Competent in HTML, CSS, Ruby, MATLAB, Adobe Photoshop & AutoCAD

## EDUCATION

**University of California, Berkeley**  
*Bachelor of Science*  
BIOENGINEERING *emphasis in Electrical/Mechanical Engineering & Technology Entrepreneurship*  
**Overall GPA: 3.49**

## PROJECTS

**TEAM LEADER/RESEARCHER** (Aug 2012 - Dec 2012)  
*MEMS and Nanotechnology Laboratory, UC Berkeley, CA*

- Collaborated with a team of 5 to build a unique portable micromechanical systems device to measure the inhibitory concentrations of Ampicillin on *E.Coli*
- Improved upon existing design of the device and delegated applicable tasks to team members
- Oversaw and successfully executed all stages in the fabrication process of the MEMS device
- Supervised and assisted in troubleshooting fabrication issues under limited resources
- Resolved conflict amongst team members and delivered a functional product on time

**TEAM LEADER/ANALOG DESIGNER** (Jan 2013 - May 2013)  
*Instrumentation in Biology and Medicine, UC Berkeley*

- Collaborated with a team of 4 to design and build an electroencephalogram to record electrical activity in the brain
- Set team goals in order to complete the assembly of the device by the given time period
- Assisted in designing the multiple high gain amplification stages to modify signals for signal processing
- Oversaw the assembly of the filtration stages that reduces noise in the brainwave signals during extraction
- Successfully demonstrated the functionality of the device on a test subject by the deadline to a panel of judges

**HEAD COORDINATOR** (May 2007 - Feb 2008)  
*Colombo Model United Nations, Colombo, Sri Lanka*

- Organized and directed Model United Nations workshops for over 200 students in various locations
- Coached students on public speaking and resolution composition
- Chaired mock debates and advised students on conflict resolution during caucusing and debating

## AWARDS & HONORS

- Keynote Speaker at Alumni Networking Dinner 2014
- President's Honor Roll
- Best Delegate of Model United Nations Conference
- Most Outstanding Student of the Year
- Carl Sagan Memorial Scholarship