

Amy Shah

Ashah120@gmail.com
www.AmyShah.com
(714) 299-0716

OBJECTIVES

To strive in a career where I can work with and/or lead a team with similar goals as myself.
To better community through my work and research.
To work in a learning environment in which I can enhance myself and those around me.

EDUCATION

University of California, Irvine

Bachelor of Science, Biomedical Engineering

Expected: April 2008

Upper Division GPA: 3.74 Cumulative GPA: 3.45

WORK EXPERIENCE

Pulmonary Transport and Tissue Remodeling Lab; Undergraduate Researcher:

Principal Investigator: Steven George, M.D., Ph.D.

May 2007 – present

Currently investigating optimization of a tissue engineered 3-D fibrin extracellular matrix
Currently studying human bronchial epithelium response to an induced asthma attack

Developmental and Cell Biology Lab; Undergraduate Researcher:

Principal Investigator: Bruce Blumberg, Ph.D.

Sept. 2006 – April 2007

Treated cancer cells with ligands, tested growth response and measured apoptosis rate
Performed a wide array of laboratory tests to gather and analyze data;
proliferation/luciferase assays, gel electrophoresis, western blotting, restriction digests,
Mini/Mega Preps, protein isolation
Prepared weekly reports describing research results to lab personnel

UC Irvine Upward Bound; Mentor and Tutor:

Employer: Tony Hwang, MA

April 2005 – April 2007

Organized resident teaching assistants and fifty students for chemistry review sessions
Compiled various study guides and teaching aids for tutors

Irvine Kids' Dentist; Chairside Dental Assistant:

Employer: Dr. Joyce C. Kim, D.D.S.

Dec. 2003 – Dec. 2005

Assisted dentist during routine cleanings and dental procedures
Described procedures and post-operative directions to patients
Increased efficiency of filing system to attend to patients twice as fast

COMMUNITY INVOLVEMENT

UC Irvine Engineering Student Council; Secretary *May 2006 – present*

Currently in charge of organizing events that promote engineering to the community
Created Discover Research to provide students with hands-on research experience
Increased campus awareness about engineering student organizations three-fold through outreach presentations at freshmen orientations

UC Irvine Jain Club; President *Sept. 2006 – present*

Created the first Jain club on UC Irvine campus and networked with other Jain clubs
Currently organizing meetings and community service events to promote non-violence

Orange County OnTrack; Mentor *Sept. 2002 – June 2004*

Helped promote a drug-free and violence-free life to neglected and mislead youth
Mentored at weekly sessions and weekend events to encourage constant good habits

AWARDS / ACCOMPLISHMENTS

Dean's Honor List

University of California, Irvine, Henry Samueli School of Engineering *Fall 2006*
Maintained a GPA above 3.5 throughout entire quarter *Winter 2007*
Spring 2007

Distinguished Mentor Award

Upward Bound Students *Spring 2005*
Awarded for a year-long effort of encouraging and motivating youth *Spring 2006*
Spring 2007

Mary Carl Memorial Scholarship

The Mallen Family *Spring 2004*
Awarded a scholarship for maintaining and spreading the late Mary Carl's theories in early childhood education and development

SKILLS

Computer Skills: Microsoft Office, SolidWorks, Matlab, Python, Labview, proficient with PC and MAC computers

Communication Skills: extensive leadership training and experience; teaching skills and experience with students of all ages; conflict mediation training; education, educational development, theory of learning training; multi-lingual

Academic Skills: photolithography, biomedical signals and systems, biomedical electronic devices, anatomical-physiological quantization, audiometer, oscilloscope, digital multimeter

** * * References Available Upon Request * * **