

ISABEL YANG

1470 Graywood Dr., San Jose, CA
(408) 624-6118, isabelyang@berkeley.edu

EDUCATION

University of California Berkeley	Berkeley, California	2013-Present
Regents' and Chancellor's Scholar		
Major: Materials Science and Engineering	Intended Minor: EECS	
Graduation Date: May 2017		
MSE Coursework: Introduction to Materials Science. Bonding, Crystallography, and Crystal Defects. Materials Characterization.		
EECS Coursework: Electricity and Magnetism. Circuits. Signals and Systems. Data Structures.		
Lynbrook High School	San Jose, California	2009-2013
GPA: 3.95	SAT: 2290	SAT2: Math2-800, Chemistry-800

LABORATORY EXPERIENCE

Medical Polymers Group	Berkeley, California	2014-Present
Undergraduate Researcher		
Failure analysis of retrieved shoulder implants from the University of California San Francisco. (Materials: Cobalt Chrome, Polyethylene)		

CORPORATE EXPERIENCE

Sandia National Laboratories	Livermore, California	Summer 2014
Metallurgical Student Intern		
Studied the process-optimization of Gas Tungsten Arc welding on 2219 Aluminum for hydrogen storage through materials characterization and failure analysis.		
Side projects: 316L Steel Forgings and Bismuth Telluride thermoelectric material		
Lockheed Martin Space Systems	Sunnyvale, California	Summer 2012
Technical Intern		
Helped department switch to a new database system named SAP. Worked with software and test engineers to develop new ways to make implementation faster.		

UNIVERSITY ORGANIZATIONS

Regents and Chancellors Student Association	Berkeley, California	2013-Present
Alumni Committee Head		
Society of Women Engineers	Berkeley, California	2013-Present
Public Relations Officer		

PROJECTS

Android Mobile Application Development

FLARE

Worked with a team to create a mobile application made for natural disaster response. It allows users to "ping" their location to emergency response teams during a disaster, as well as reference a manual for instructions.

TECHNICAL SKILLS

Computer Programming: JAVA, MATLAB

Materials Characterization: Scanning Electron Microscopy, Grain Size Measurements, Optical Microscopy, Rockwell/Vickers Hardness

Microsoft Office: Word, Excel, PowerPoint, Access

Adobe Creative Suite: Photoshop, Illustrator, InDesign, Lightroom