ISABEL YANG
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EDUCATION

University of California Berkeley   Berkeley, California   2013-Present

Regents' and Chancellor's Scholar

Major: Materials Science and Engineering ‖ **Intended Minor**: EECS

GPA: 3.45 ‖ **Expected Graduation Date**: May 2017

Relevant Coursework: ***MSE*** ‖ Introduction to Materials Science. Bonding, Crystallography, and Crystal Defects. Material Characterization.

EECS ‖ Electricity & Magnetism. Circuits. Signals & Systems. Data Structures.

Lynbrook High School   San Jose, California   2009-2013

Unweighted GPA: 3.95 ‖ **SAT**: 2290 ‖ **SAT 2**: Math: 800, Chemistry: 790

UNIVERSITY LABORATORY EXPERIENCE

- MEDICAL POLYMERS GROUP, Berkeley, CA, 2014-Present
  - Failure analysis of retrieved shoulder implants from the University of California San Francisco. (Materials: Cobalt Chrome, Polyethylene)

CORPORATE EXPERIENCE

- SANDIA NATIONAL LABORATORIES, Livermore, CA, Summer 2014
  Metallurgical Student Intern
  - Studied the process-optimization of Gas Tungsten Arc welding on 2219 Aluminum
  - Side projects: 316L Steel Forgings and Bismuth Telluride thermoelectric material
- LOCKHEED MARTIN SPACE SYSTEMS COMPANY, Sunnyvale, CA, Summer 2012
  Product Quality Assurance Department
  - 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, UC Berkeley, 2013-Present
  - Alumni Committee Head
- SOCIETY OF WOMEN ENGINEERS (SWE), UC Berkeley, 2013-Present
  - Public Relations Officer

PROJECTS

- ANDROID MOBILE APPLICATION DEVELOPMENT
  - FLARE, UC Berkeley, 2014
    - 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 and MATLAB
- MATERIAL CHARACTERIZATION: Scanning Electron Microscopy, Grain Size Measurements, Optical Microscopy, Rockwell/Vickers Hardness
- MICROSOFT OFFICE: Word, Excel, PowerPoint, and Access.
- ADOBE CREATIVE SUITE: Photoshop, Illustrator, InDesign, and Lightroom.