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
    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 Student Association (RCSA)   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