

Joan Phillips

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Education

California Polytechnic State University – San Luis Obispo
Bachelor of Science in **General Engineering**, June 20xx
Emphasis: Alternative and Renewable Energy
Cal Poly Honors Program
GPA: 3.681 Dean's List – 3 quarters Class Level: Junior
Financing 50% of college expenses – work 12 to 15 hours per week

Technical Experience, Skills and Knowledge

Los Alamos National Laboratory – Los Alamos, NM

Intern

Summer 20xx

- Evaluated damage sensing capabilities of piezoelectric materials
- Investigated array based damage sensing utilizing an instantaneous baseline
- Explored the mechanics of wireless power transmission using microwaves

Intern

Summer 20xx

- Investigated the feasibility of small scale power harvesting to energize sensor nodes
- Created models to demonstrate the capabilities of piezoelectric materials
- Tested the integrity of bolted structures using PZT washers

Physics of Energy – Cal Poly

- Participated in a group project investigating the feasibility of using biofuels to replace fossil fuels
- Studied the production of renewable and non-renewable energy and their possible applications
- Discussed Global Warming and its role in the future of our society's energy usage

Technical Presentations Attended

- Global Warming and Climate Variability - Los Alamos National Laboratory
- Biofuels, Peak Oil, and Global Warming - Cal Poly
- The Future of Sustainability - Cal Poly

Technical Skills

Computer: MatLab, Microsoft Word/Excel/PowerPoint

Equipment: Circuit board prototyping and soldering, Agilent Impedance Analyzer, Oscilloscope

Leadership / Involvement / Honors

Cal Poly Honors Club – Serve on Community Service Committee	Fall 20xx- Present
University Jazz Band – Cal Poly	Fall 20xx - Present
Cal Poly Intramural flag football and basketball	Fall 20xx - Present
Volunteer: Cal Poly Youth Programs, AIDS Walk for Life, Relay for Life	20xx-Present
Volunteer Coach – YMCA Youth Basketball	Jan. 20xx - Present

Work History

Study Group Leader , Student Academic Services – Cal Poly (12-15 hours/week)	Jan. 20xx - Present
Private Tutor , Math and Physics	Jan. – Sept. 20xx
General Maintenance , Courtright Apartments – Los Alamos, NM	May 20xx – Sept. 20xx