**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 boardprototyping and soldering, Agilent Impedance Analyzer, Oscilliscope

**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, NMMay 20xx – Sept. 20xx