

# Mechanical Mary

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**OBJECTIVE:**

To obtain a full time position where I can tackle technical, business skills and leadership competencies while contributing to company goals.

**EDUCATION:**

University of Southern California  
Bachelor of Science, Mechanical Engineering

Expected Graduation: May 2018  
GPA: 3.12

**WORK EXPERIENCE:**

**Marks 99 BayWay Refinery, Project Engineering Intern** *Summer 2016*

- Developed an AFD package including a project plan and estimate to implement a de-bottlenecking of a disengaging drum
- Completed AFE packages to upgrade two naphtha splitter reboiler exchangers
- Compiled a list of interfering conduit that needed to be temporarily supported, relocated, or demolished necessary to avoid delays and field change orders for the FCC Modernization Phase 2 Project
- Consulted with lead civil engineer and provided construction support to contractors by responding to RFIs and submitting SIs for the Atmospheric Relief Valve Mitigation Project

**Marks 99 Los Angeles Refinery, Maintenance and Reliability Intern** *Summer 2015*

- Increased the reliability of rotating equipment in collaboration with management and supervisors by establishing a refinery wide lube oil care system
- Created and completed routine care assessments for over 200 pumps and turbines
- Implemented an auxiliary system on critical pumps to avoid future improper lubrication failures
- Served as an on-campus student recruitment representative for the academic year

**College Research Apprentice Program, Intern** *Summer 2012*

- Conducted homogeneous synthesis of biodiesel and determined if it was more efficient than the heterogeneous synthesis as an alternative fuel source
- Compared efficiency and presented findings through a technical presentation to members of academia
- Summer findings aided in the establishment of a foundation for further graduate level research in biodiesel

**LEADERSHIP EXPERIENCE****Society of Women Engineers**

*Director of Events* *2016-Present*

- Organized and led SWE's ambassador program aimed to develop 10 underclass women in engineering
- Worked alongside the president to provide members with events to empower and motivate their studies in engineering

*Industry Affairs Coordinator* *2015-2016*

- Collaborated with corporate sponsors to provide events that further develop our member's professional skills
- Worked to solidify 24 corporate sponsors for the academic year and raised over \$35,000 for our chapter

*Ambassador* *2014-2015*

- Worked directly with SWE officer council to gain hands-on experience with leadership
- Organized first annual GoldieBlox event in which we provided 100 local elementary school girls with an engineering based game set in order to raise STEM awareness
- Raised over \$1000 through professional and academic solicitations for events aimed at motivating and inspiring the next generation of female engineers

**Society of Hispanic Professional Engineers**

*External Affairs Coordinator* *2016- Present*

- Developed relationships with corporate sponsors to provide members with events aimed to develop their professional skills

*General Body Meetings Coordinator* *2015-2016*

- Organized bi-weekly general body meetings to provide members with the necessary professional, technical, interpersonal skills
- Worked closely with the Chapter Development Committee to organize events tailored to the social and professional needs of members

**SKILLS**

- Flowserve Mechanical Seal Certification
- Proficient in Solidworks, NX, MATLAB, EES, Excel

**USC Viterbi**

School of Engineering