

# Joy Johnson

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Project Portfolio: [portfolium.com/jjohnso95](http://portfolium.com/jjohnso95)

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## Education

California Polytechnic State University, San Luis Obispo

**Master of Science and Bachelor of Science in Biomedical Engineering**, December 20xx

Graduate GPA: 3.5      Undergraduate GPA: 3.2

## Biomedical Engineering Experience

**Boston Scientific** – San Jose, CA

June - September 20xx

**Intern – Manufacturing Engineering, Electrophysiology**

- Performed process validations. Developed, established, and maintained quality assurance processes, procedures, and controls for the statistical inspection and evaluation of processes and production equipment
- Created and revised manufacturing procedures, developed and tested manufacturing equipment and product samples, employing sound documentation practice
- Summarized, analyzed and drew conclusions from test results leading to effective technical resolution
- Proficient in designing and executing Design of Experiments

**Thesis: Non-Clinical Surrogate Blood Plasma for Device Evaluation**

September 20xx - Present

- Researching physico-chemical properties of blood plasma through literature search
- Using experimental and theoretical results to devise more efficient pre-treatment strategies
- Emphasis on electrophoretic microfluidic devices for bioseparations

**Medical Device Development Project – Cal Poly**

March - June 20xx

- Designed a modified asthma inhaler with patent potential
- Created a business plan, learned patent law, and gained understanding of venture capitalism
- Used basic design and solid modeling techniques, while also practicing marketing and patent research skills

**Bioengineering Design Project – Cal Poly**

January - June 20xx

- Designed and manufactured an envelope labeling-assistance device for cognitively challenged local employees
- Created a device that reduced the math, judgment, and coordination required to affix envelope labels, while also increasing accuracy and output
- Used basic design and solid modeling techniques, while also practicing field studies and tailoring a design to the specific needs and wants of the customer and USPS guidelines

## Computer Skills

SolidWorks, Matlab, C++, Minitab, Microsoft Word/Excel/PowerPoint

## Leadership and Involvement

**Society of Women Engineers** – Cal Poly Chapter

- **Vice President** of Campus Community Relations - Manage a core of 8 officers to coordinate events

**Biomedical Engineering Society** – Cal Poly Chapter

- Participated in Relay For Life in 20xx

**Interests:** Guitar, singing, running marathons

## Additional Work Experience

Demonstrated excellent customer service, communication, teamwork and time management skills through the following employment:

**In Home Support Services** – Arroyo Grande & San Luis Obispo, CA

Caregiver (20 hours per week)

Sept. 20xx – June 20xx (excluding summers)

**The Wharf Restaurant & Lounge** – Fort Bragg, CA

Busser/Hostess/Cashier/Waitress (30 hours per week)

Summers 20xx and 20xx