

# Mason L. Gonzales

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**Project Portfolio:** [portfolium.com/mas9gonz](https://portfolium.com/mas9gonz)

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## Education

### California Polytechnic State University, San Luis Obispo

Bachelor of Science in **Computer Engineering**, December 20xx

Overall GPA: 3.3

### Cuesta College – San Luis Obispo

Associate of Science in **Math and Science**, May 20xx

GPA: 3.4

Financing 100% of college expenses – work 15 to 20 hours per week during college

## Skills

**Programming Languages:** C, HTML, CSS, Java, VHDL, Assembly

**Hardware Testing Devices:** Function Generator, Digital and Analog Multimeters, Oscilloscope, DC Power Supply, Op Amp Circuit Board

**Applications:** Eclipse, Xilinx, ModelSim, PSpice, Minitab, Microsoft Word/Excel/PowerPoint

**Language:** Fluent in Spanish

## Computer Engineering Experience

**Quality Assurance Intern** (40 hours per week)

June 20xx – Sept. 20xx

### Experts Exchange – San Luis Obispo, CA

- Developed and executed structured test plans for the company's continuous software releases in AWS
- Designed and implemented automated test scripts to perform black and white box testing in AWS test environment
- Reviewed old regression tests and restructured them for greater efficiency
- Participated in software release processes as member of the release team and developed training materials for software release processes for other interns
- Coordinated issue resolutions among the development, marketing, and creative teams

### Technical Projects – Cal Poly:

**Home Automation (Senior Project)** – Designed and implemented home automation for Cal Poly's Solar Decathlon design competition using a network of 7 microcontrollers and 15 sensors. Collaborated with 70 students leading to enhanced teamwork, communication, and project management skills.

**VCB1** – Used assembly language to program a basic computer unit onto a programmable logic device complete with data path components and a control unit

**Software Development** – Programmed an average of two software programs per week in various programming languages

**Hardware** – Designed and constructed an array of electrical circuit systems facilitated by using numerous hardware testing devices

## Leadership and Work Experience

### Multicultural Engineering Program (MEP) – Cal Poly and Cuesta College

**Tutor (15 to 20 hours per week)**

August 20xx – Present

- Enhanced leadership, communication, and interpersonal skills through tutoring peers in computer programming, physics, and calculus.

### Society of Hispanic Professional Engineers – Cal Poly

- Volunteer monthly by tutoring local junior high school children in math and science