

# Geovanny Guzman

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California State University, Northridge  
Bachelor of Science in Mechanical Engineering

Aug 2020 - May 2023  
GPA: **3.4 / 4.0**

## Objective:

I am a motivated, hardworking, and resourceful mechanical engineering student. I want to work in manufacturing as well as design and better my ability to increase throughput while maintaining high quality & learn industry standards. I hope to find stable long-term employment with your company.

## Skills:

- SolidWorks (Modeling/FEA), Ansys (Thermal), MATLAB, Simulink, Arduino, LabVIEW
- GD&T, Lean Six Sigma – Yellow Belt, TIG Welding, 3D printing, Bilingual (English Spanish)
- Microsoft Office Suite, AR/AR, Conventional machines (Bandsaw, Drill Press, Metal Shear, etc.)

## Projects:

*FSAE - Chassis team member*

June 2022 – May 2023

- Responsible for chassis mockups using 3D printing models and AR/VR ensured dimensional accuracy of **3/8"** to intended design, **1"** tolerance & **15-minute** turnaround times for AR/VR mockups
- Designed fixtures for chassis welding and component fabrication, **52** total components in assembly. Inspected fixtures & tubes to ensure adherence to design intent.
- Sourced material and laser cutting service, coordinated delivery of supplies and services.
- Pushed naming convention for metal etching of tubes & stamping of fixtures for quality control.

*Machine Design - Spring assisted leg crutch*

May 2022 – Aug 2022

- As Project manager I coordinated meet times, created deadlines, and prepared final presentation.
- Reviewed all designs, cost, manufacturing processes, and assembly process.
- Recorded a 20-minute presentation defending team's design, secured an **87%**, **2<sup>nd</sup> highest** in class.

*Personal Projects - Various*

Aug 2020 – May 2023

- Constructed a wooden power rack, poured, and cast concrete weights, built a metal barbel using carbon steel rod, exhaust tubing, collars with set screws, and hand/power tools.
- TIG welded mild steel exhaust 4-2-1 pipe configuration, welded stainless exhaust 4-1 configuration.

## Work Experience:

Niagara Bottling, Rialto, CA

May 2022 – Aug 2022

*Manufacturing Engineering Intern*

- Responsible for developing a training program for new hires on the hot beverage production line.
- Created **14** new SOPs in English/Spanish, included QR codes for easy access.
- Modeled a wood pallet ramp in SolidWorks and conducted stress/deflection FEA to validate it's use in the ASRS reducing downtime an average of **25 minutes** per instance of use.
- 3D printed SolidWorks model & test fitted onto ASRS to ensure clearance of shuttles during transit.