

Justin Fujimori

Mechanical Engineer

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Skills

- CAD Programs: Solidworks, AutoCAD, FEMAP NASTRAN
 - Coding: MATLAB, Simulink, VBA
 - Microsoft/Google Applications: Word, Excel, Powerpoint
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Experience

California Polytechnic State University, Pomona/ 3D Printing Applications Project

August 2023 - May 2024

- Determined mechanical properties and performed a stress analysis on a spline drive lug nut design;
- Created a 3D printed replica made of Acrylonitrile Butadiene Styrene;
- Performed stress tests to predict replica's efficacy;
- Presented data and results at the Cal Poly Pomona Engineering Symposium.

Santa Ana Country Club / Golf Operations Lead

June 2020 - Present

- Lead positive interactions with club-wide membership;
- Apply communication, teamwork, and problem-solving skills to run tournaments, events, and everyday golf operations.

CR&R Environmental Services / Executive Assistant

June 2018 - August 2020

- Organized data analytics and economic statistics of company-wide operations;
 - Served as direct assistant to company President;
 - Provided maintenance on vehicles including cars, motorbikes, and jet skis.
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Education

California Polytechnic State University, Pomona / Mechanical Engineering B.S.

August 2020 - May 2024, GPA: 3.55

Coursework: Mechanics of Materials, Vector Statics/Dynamics, Manufacturing Engineering, Thermodynamics, Fluid Mechanics, Machine Design, Mechanical Systems/Measurements, Heat Transfer, Finite Element Analysis, Air Pollution Formation/Control, Composite Materials, Thermal Systems Design

Projects: Computational Fluid Dynamics, Effects of Fins Through Heat Transfer using MATLAB, Tachometer, Finite Element Analysis of Suspension System

Huntington Beach High School

August 2016 - June 2020, Huntington Beach CA. GPA: 4.5

Model United Nations, AP Calculus AB, AP Calculus BC, AP Physics Mechanics C, AP Physics Electromagnetism.

Awards

Cum Laude, Cal Poly Pomona (2024)

Roy Miller Award (2020): Department-recognized athlete excelling in the areas of character, commitment, dedication, and respect.