

Allen Wang

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EDUCATION

University of California, San Diego June 2023
Chemical Engineering GPA: 3.71

Reno High School June 2019
GPA: 4.4

ENGINEERING EXPERIENCE

Propulsion Engineering September 2019-Present

- Performed calculations to work out elements necessary for combustion of RP-1 and LOX, which included writing MATLAB code to calculate an empirical formula for RP-1, calculation molecular mass of gas, and ideal stoichiometric ratio for incomplete combustion
- Currently using SolidWorks to design the 8th iteration of our current de Laval Nozzle

Electronic Bike Lock Summer 2019

Hardware

- Modeled in Autodesk Fusion a case to house a Circuit Board for an electronic bike alarm
- 3D printed and wired the alarm onto my own bike without hindering any movement of the bike

WORK EXPERIENCE

King Buffet Aug. 2016 – Sept 2018

Host/Cashier/Busboy/Server

- Rotated and learned four different departments within the restaurant
- Provided customer service for over 100 guests during the busiest hours of operation
- Worked with other coworkers to ensure satisfactory customer experience in all aspects of their dining
- Memorized a large seating chart capable of accommodating around 500 guests

WORK SKILLS

Working knowledge of 3-D design programs like Autodesk Fusion and Maya

Extensive knowledge on graphic design software e.g. Adobe Photoshop, Flash, Illustrator

Working knowledge of Solidworks

Working knowledge of MATLAB

ORGANIZATIONS

American Institute of Chemical Engineers (AIChE)

Rocket Propulsion Laboratories (RPL)

Chem-E Car

Member
Propulsion Engineer
Propulsion