

EDUCATION

CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO

Bachelor of Science, Computer Engineering (Anticipated 2024) **3.8 GPA**

NEWPORT HARBOR HIGH SCHOOL

Graduated Valedictorian, 2020 **4.6 GPA 34 ACT**

RELEVANT COURSEWORK

Math Series
Physics Series

Electrical Engineering Materials
Computer Science Materials

Public Speaking
Technical Writing for Engineers

EXPERIENCE

BLUE MARBLE COMMUNICATIONS

JUNE 2021 – PRESENT

Software Engineering Intern – Working on a diverse team of engineers to develop and improve the Space Regenerative Processor, a high-performance modem and transceiver combining optical and radio technology to enable high speed satellite communication. I am primarily responsible for writing C code to perform automated testing on embedded FPGAs, using sophisticated signal analyzers, signal generators and power supplies.

101 MOBILITY ORANGE COUNTY

JUNE 2020 – PRESENT

Online Advertising / Social Media Coordinator – Handle social media promotion. Run successful online marketing campaign and optimization research using Google Advertising, Facebook Advertising, and Yelp Advertising. Maintain web app to automatically calculate advertising metrics.

RAYVA HOME THEATERS

MAR 2020 – JUNE 2021

Software Engineer (Remote) – Wrote and maintained React.js web app responsible for configuration and sale of millions of dollars of home theater equipment.

Lab Technician – Designed, fabricated, and tested printed circuit boards employing IOT remote control technology to control home theater lighting systems.

VIRTUAL-E CORPORATION | TALK STAR INC

OCT 2019 – MAR 2020

Lab Technician – Responsible for assembly and testing of printed circuit boards for high-fidelity audio equipment. Worked in lab environment with sophisticated audio signal generators and analyzers.

SKILLS

PROGRAMMING LANGUAGES AND FRAMEWORKS

Verilog (Fall 2021) Python C Java JavaScript React.js

SOFTWARE

Xilinx Vivado (Fall 2021) Windows Office Suite Visual Studio Code Git / GitHub
Unix Vim MacOS Microsoft Teams Adobe Suite

ACTIVITIES

CPYTHON CONTRIBUTOR

Wrote the CPython ChainMap implementation of Python Enhancement Proposal (PEP) 584.

CAL POLY HYPERLOOP CLUB

Member of controls team, which is responsible for the software-based controls on our hyperloop prototype.

ASSOCIATION FOR COMPUTING MACHINERY

Student member, 2021

EAGLE SCOUT RECIPIENT, TROOP 37

Planned, fundraised, and organized final service project totaling over 100 hours.