

CARSON KENT

SANTA ROSA, CA | 707.535.6600 | CARSONKENT34@GMAIL.COM

Motivated Mechanical Engineering student with a passion for aeronautics and automotive engineering seeking opportunities to apply academic knowledge and practical skills in a dynamic professional environment. Experienced in leadership roles and adept at problem-solving, teamwork, and project management.

EXPERIENCE

AUG 2022 -
NOV 2023

MEMBER SERVICES, FOREST HIGHLANDS GOLF CLUB

- Worked as an attendant to golfers at prestigious community.

JUN 2024 -
AUG 2024

VIAVI SOLUTIONS, MECHANICAL ENGINEERING INTERN

- Worked as an intern assisting with thin film optical coating production to be used on SpaceX Starlink satellites to produce maximum throughput on each substrate.
- Resistive boat shutter feedback redesign to eliminate metallic debris from false sensor triggers on coating machine. Created multiple design concepts using SolidWorks, documented installation procedure, produced engineering change order/notice, managed design review, and interacted with machine shop for production.
- Participated in daily engineering meetings with equipment maintenance team and model shop.

EDUCATION

JUNE 2021

GRADUATED FROM MARIA CARRILLO HIGH SCHOOL IN SANTA ROSA, CA

- Recognized as Honor Society member.
- Received Seal of Biliteracy, Spanish

AUGUST 2021

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING, NORTHERN ARIZONA UNIVERSITY

- Courses taken include but not limited to Aerodynamics, System Dynamics, Thermodynamics, Fluid Mechanics, Heat Transfer, Machine Design, Compressible Flow, Experimental Methods
- Expected date of graduation: May 2025

SKILLS

- Proficient in SolidWorks, Project, and MATLAB.
- Knowledgeable in materials selection, manufacturing processes, and mechanical testing.
- Excellent leadership, communication, and interpersonal skills developed through fraternity leadership and teamwork.
- Customer service skills from 3 years of experience at Forest Highlands
- Ability to work effectively in a team to complete projects

PROJECTS

- Factory layout/product flow mapping for Starlink project with cleanroom design/construction
- Formula SAE capstone project (Aero. Engineer)
- Source Panel Method and Vortex Panel Method for NACA airfoil sections
- Thin film optical coating substrate fixture design/sputter source configuration
- Process cooling water (PCW) filtration – specified suitable replacement parts for obsolete media
[\(17\) Carson Kent | LinkedIn](#)