



SPENCER FRANKLIN

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OBJECTIVE

Motivated Chemical Engineering student with strong problem-solving abilities, organizational skills, and technical proficiency. Eager to apply academic knowledge in a hands-on internship focused on advancing next-generation battery technology and contributing to innovative energy solutions.

WORK EXPERIENCE

ASI-CPP

Maintenance Technician | April 2025

- Diagnosed and repaired issues in HVAC, plumbing, electrical, and mechanical systems to maintain facility safety and efficiency
- Applied critical thinking to troubleshoot malfunctions, optimize performance, and implement preventive maintenance strategies
- Adapted quickly to new technical challenges by analyzing system inconsistencies and collaborating on effective repair solutions
- Facilitated a website migration by self-learning a new platform, resolving compatibility issues, and improving workflow efficiency

Quadratic Inc

Technical Operations Coordinator | May 2022 - September 2022

- Managed paper and electronic filing systems by routing various documents, taking messages and managing incoming and outgoing mail.
- Managed and optimized the use of software tools, ensuring efficient operation and user support across the team
- Managed video clips from recorded meetings, ensuring easy access and organization for future use.
- Facilitated timely delivery of special projects to meet organizational and departmental objectives.
- Maintained inventory of office supplies and placed orders.

RDI

Web Developer | May 2021 - September 2021

- Successfully migrated an educational course website from OptimizePress 2 to OptimizePress 3, enhancing site performance and user experience.
- Identified and resolved design and copy inconsistencies, ensuring a polished and professional presentation.
- Designed and launched new web pages to promote upcoming events and drive sales growth.
- Integrated multimedia elements (images, videos, and interactive features) to create visually appealing and engaging web pages.
- Collaborated with the client to align web content with branding strategies and promotional campaigns.

LAB EXPERIENCE

Chem E Car

Power Team | August 2023

- Assisted in research on galvanic cells and properties of electrochemical batteries
- Conducted battery testing and diagnosed performance and reliability issues
- Safely handled hazardous chemicals in compliance with full laboratory safety protocols
- Competed in and advanced through regional tournament to qualify for national Chem-E-Car competition

Senior Project

High Temperature Corrosion | March 2025

- Executed sample preparation for high-temperature corrosion studies, including grinding and polishing of metal specimens
- Analyzed microstructures using SEM data to assess surface degradation and material performance
- Designed clear visual representations of SEM findings to support corrosion trend analysis
- Conducted electrochemical tests to investigate corrosion mechanisms and material resistance under elevated temperatures

VOLUNTEER EXPERIENCE

Franklin Elementary School

Tutor | August 2022 - June 2023

- Provided personalized tutoring to children requiring additional support, fostering a positive and encouraging learning environment.
- Supported engaging, fun, and smooth-running events by helping with organization and planning.
- Used strong interpersonal communication skills to convey information to students.
- Maintained clean, neat, and operational facilities to serve program needs.
- Assisted with special events and programs.

EDUCATION

California State Polytechnic University Pomona BS in Chemical Engineering | Expected in May 2027

- Minor in materials engineering with a focus on metallurgy
- American Institute of Chemical Engineers (AIChE) Member
- GPA: 3.6

Alameda Science and Technology Institute High School Diploma | June 2023

- Awarded an Intersegmental General Education Transfer Curriculum (EGETC) from Peralta Community Colleges
- Honor Roll for all four years

SKILLS

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|-------------------------------|-----------------------|
| ▪ Organized and Efficient | ▪ Deadline Adherence |
| ▪ Python | ▪ Event Setup |
| ▪ Microsoft Suite Proficiency | ▪ Attention to Detail |
| ▪ Administrative Tasks | ▪ Positive Attitude |
| ▪ Computer Skills | ▪ Flexible Schedule |