Franklin Wang
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Education   Bachelor of Science (B.S.) - Computer Science
University of California, Santa Cruz (Estimated Graduation Year 2026)

GPA: 4.0

Relevant Coursework:

Data Structures and Algorithms	Discrete Mathematics
Survey of Probability and Statistics	Analysis of Algorithms

Activities and Involvement

UCSC Google Developers Club - member
UCSC Chinese Students Association - finance officer

Related Skills

Languages: JavaScript(React, NodeJS, and Express),Python, Java, HTML, CSS, NoSQL(MongoDB), SQL(PostgreSQL), C++

Technical Skills: Web Design/Development, Github Version Control, Jira, Agile Methodology, Database Design(Mongo, SQL), Amazon Web Services, Data Analysis, Data Cleaning, Dataset Management, Statistical Analysis

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Projects

BoxHub - Github | Demo
- Boxing-Themed Forum Website Utilizing **NodeJS/Express REST** server on back end and **React** on Front, including an Automated Web Scraper to Display Popular Boxing News Every 24 hours, and Hosting on **AWS S3 Buckets** for Automated Scaling
- Improved web page load speed by 70% using a recursive algorithm and adjacency list to render forum comments efficiently.
- Led a team of four, using Jira to coordinate progress and complete the project within a week for the club hackathon deadline.

Professional Experience

Full Stack Developer Intern at Bad Kids Korporation (internship) - *Chicago, IL*
- Designed an AWS S3 bucket system to store and organize music records, leveraging metadata tagging for efficient categorization and searchability. Connected backend functionalities with frontend, fetching all of a user's previous music uploads from MongoDB database to ensure a seamless user interface.
- Tested average MP3 upload speed at 9.4 MB/s and fetch runtime at 230 ms for 20 MB files.
- Managed design and coordination between two frontend and one backend team member to ensure seamless code integration.

Data Analyst at Ensurge Micropower (internship) - *Junction Avenue, San Jose CA*

- Collaborated on analyzing battery cell surface roughness with electrical engineers, automated data transfer from CSVs to spreadsheets with Python, and analyzed battery material efficiency using JMP, presenting results in Excel.
- Helped my supervising engineer analyze almost three times as many batteries in the same time with my Python script
- Worked under a supervisor, handling tasks in a timely manner

Project Oriented Programming Club *(De Anza College) - Vice President*
- Vice president of programming club primarily geared towards creating novel projects
- Managed administrative affairs by securing a club advisor and organizing regular meetings.

- Led the club's dating website project, effectively delegating roles and responsibilities among members to ensure successful project completion