Kyle J. Yee

San Francisco, CA | kyleyee7546@gmail.com | (415) 823-3745

Education

University of California San Diego   **Graduation Date: June 2024**
Bachelor's of Science in Computer Engineering

Work Experience

University of California, San Diego KSDT Radio   San Diego, CA
Software Developer   September 2023- June 2024
- Directed the development of a cutting-edge mobile application using React Native and Swift for iOS, delivering a sleek, user-centric product that achieved a 90% user satisfaction rate.
- Engineered and integrated advanced features like real-time messaging and push notifications, skyrocketing user engagement by 50% and boosting retention by 30%.
- Led a team of 6 multidisciplinary experts, seamlessly integrating APIs and fine-tuning app functionality by allowing users to smoothly listen to music remotely.

San Francisco Fire Department HQ   San Francisco, CA
Systems Engineer Intern   June 2023 - September 2023
- Pioneered the creation of an AI-powered chatbot for firefighter handbook inquiries, harnessing the power of NLP to reduce query time by 70%, improving efficiency in scenarios.
- Designed and scripted an innovative Microsoft OS solution using BASH commands and Python, ensuring secure file transfers between old and new computers, reducing migration time by 50%.

San Francisco Fire Department HQ   San Francisco, CA
Software Developer Intern   June 2022 - September 2022
- Skillfully made use of SQL to design, update, and maintain robust databases that securely store critical information such as contact info and incident reports, enhancing retrieval speed by 40%.
- Leveraged Google Maps' API to determine the geological coordinates of 3-1-1 callers, enhancing location accuracy and response efficiency, boosting location accuracy by 25%**.**
- Developed a secure and user-friendly login system using Oracle Apex tools, incorporating features like password/username validation and automated email verification.

San Francisco Unified School District HQ   San Francisco, CA
Student Advisory Council (SAC) Software Developer Intern   June 2019 - August 2019
- Transformed the SAC website's visual appeal and usability by expertly utilizing HTML, creating a more engaging and polished user experience.
- Increased viewer retention by deploying CSS techniques and optimizing the display of data, enhancing the user experience when interacting with the site.

Personal Projects

Roommate Management Application   **October 2022**
- Programmed using HTML, CSS, and JavaScript to create a functional application to manage roommates and anything involving them such as chores or rent.
- Streamlined the implementation of CI/CD pipelines, automating the deployment process and improving release efficiency by 30%.

Web Page Fighting Game   **June 2022**
- Developed and styled an interactive canvas using HTML, delivering a fully functional and visually engaging user experience.
- Engineered the game mechanics and functionality by leveraging JavaScript methods, resulting in a seamless and dynamic gameplay experience.

Skills

Programming Languages: Python, JavaScript, Java, C, HTML, CSS, C++, SQL, Verilog, Swift, Clojure
Frameworks/Technologies: Google Firebase, Node.js, Git, VIM, Unix, Oracle APEX, Quartus, DESim, PowerBI, Postman, Expo, React Native

Clubs/Extracurricular

Mission Bit Coding Bootcamp: 2nd Place, Best Mobile App   May 2020
- Led a group of 3 to develop a cross-platform live messaging app featuring multi-room chat functionality and an entertainment tab with integrated games like tic-tac-toe and Connect 4