JACK HUANG

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EDUCATION

University of California Riverside   Riverside, CA
Junior, 3.88 GPA, B.S. Computer Science   *Sept. 2019 – Expected Jun. 2023*

PROFESSIONAL EXPERIENCE

Google   Remote
SWE Intern   *Jun. 2022 - Sept. 2022*
- Incoming SWE Intern on the GCP Team.

Google   Remote
STEP Intern [SQL, Java]   *Jun. 2021 - Sept. 2021*
- Developed scalable data pipeline using SQL that processes over 100GB of data each day capturing Google Workspace product usage metrics.
- Created common macros that reduced lines of code by 33% to improve code readability and increase productivity speeds.
- Generated test data in Java to validate the pipeline and documented the results internally.

A-Game Media Co.   Remote
Web Developer [React, Firebase]   *Jul. 2020 - Apr. 2021*
- Designed website using React to showcase company events in order to increase company visibility on the web and various social media platforms.
- Built a media storage application using Firebase in order to fulfill requests from over 100 daily users and reduce company operation costs by 90%.

University of California Riverside   Remote
Undergraduate Researcher [React, Firebase]   *Sept. 2020 - Feb. 2021*
- Developed a calendar user face using JavaScript for students to add, drop, and set up study groups with other classmates.
- Connected to a Learning Record Store to provide instructors information on user performance in class.

PROJECTS

Blackjack [C++, Google Test]   *Nov. 2020*
- Programmed the game of Blackjack utilizing Composite, Abstract Factory, and Bridge design patterns for agile development among three other classmates.
- Ensured proper functionality with Google Test unit testing.

Twitch Chat Scraper [HTML/CSS, tmi.js]   *Jun. 2020*
- Built a website that monitors the chat and displays chat mentions in order to enable Twitch Streamers to better interact with their audience.
- Utilized tmi.js in order get stream information from the Twitch API.

Stud Buds [JavaScript, Firebase, Google API]   *Dec. 2019*
- Created a website to allow users create an academic profile and find other study partners based on major and relative distance.
- Leveraged assignment of similarity indexes based on the user selections in order to best match users to each other.
- Utilized Google API to calculate distance.

RELEVANT SKILLS

Languages: Java | C++ | SQL | JavaScript | Dart | HTML | CSS
Frameworks/Technologies: Flutter | Git | React | Firebase | Svelte
Relevant Coursework: Data Structures and Algorithms | Embedded Systems | Operating Systems | Computer Graphics | Compiler Design | Database Management |

LEADERSHIP

Materials Research Society Informatics Lead Automated form submissions and confirmation emails during quarterly events.