Kyle Zhao Web Developer

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Projects

Roamfy (academic)
PHP, mySQL, jQuery, HTML, CSS

Dec 2023

- Led a two-person team to develop an itinerary sharing platform.
- Enhanced user experience through a dynamic and responsive interface between frontend and backend components.
- Implemented security measures including prepared statements and input validation to prevent SQL injections

Resume API
MongoDB, Express, Node, Vercel

Oct 2023

- Independently developed a RESTful API with CRUD operations, following best practices.
- Integrated API key generation and authentication, ensuring secure data handling of resume information.
- Developed detailed user documentation, enhancing user experience.

Va11-halla Drink Recipe Fansite
Figma, React, Firestore/Firebase Auth, Tailwind, Three.js, Python

Aug 2023

- Managed the full lifecycle of an independent fansite project for the visual novel game by Sukeban Games, focusing on UI design and React practices.
- Designed Va11-halla drink recipe dashboard using React hooks, useMemo, and context API for optimized Google Firebase interaction.
- Imported game drink recipes into Firestore using Python web scraping.

Skills

Html/CSS/JS, React.js, Tailwind, Git Version Control, Firebase, MongoDB, mySQL, Figma, Adobe Photoshop, Express.js, Node.js, PHP, jQuery, D3.js

Organizations

SFU Surge Projects
UI/UX Designer and Frontend Developer

Nov 2023 – present

- Leading UI/UX design for SFU myConnect, a team-developed web dashboard aimed at enhancing student social activity and engagement.
- Conducted research and student surveys to drive informed design decisions.
- Collaborated with developers to implement design changes and strategize core application functionalities and interfaces.

SFU Esports Association
Graphic Designer

2022 – present

- Produced 40 social media banners in a month, enhancing SFU competitive esports players' brand presence.
- Created visuals for social media and events for a 3,600-member Discord community in collaboration with club executives.
- Enhanced cross-university esports collaborations with specialized graphics for shared events, strengthening network ties.

FNABC English Congregation
Youtube Thumbnail Designer and Technical Team

2020 – present

- Consistently created weekly thumbnails for channel of 7 thousand subscribers, contributing to an average click through rate of 4%
- Developed a Python script for automated nametag creation, converting Photoshop tasks into a streamlined process; produced 100+ PDF nametags.
- Set up recording equipment and enhanced audio quality with DaVinci Resolve, contributing to the reach of online content.

Education

Interactive Art and Technology (B.sc)
Simon Fraser University

Sep 2021 – present | Burnaby, Canada