Kaitlyn Rice

kait@kaitrice.com | linkedin.com/in/kaitrice/ | kaitrice.github.io/

EDUCATION

Bachelor of Science in Computer Science **Dec 2023**
Minors User Experience Design and Psychology *Bellingham, WA*
Western Washington University
Certificate in JavaScript Development **June 2019**
Cascadia College *Bothell, WA*

PROFESSIONAL EXPERIENCE

e-Commerce Marketing Assistant **August 2023–Present**
Diono *Seattle, WA*

- Spearheaded solo development effort creating a mobile safety app to provide parents with accessible, region-specific offline car seat resources, meeting 90% of project milestones.
- Delivered five new e-commerce websites by executing BigCommerce setups, managing the setup and integration of third-party API accounts and resolving integration challenges.
- Audited and optimized existing API scripts across all seven stores, reducing redundancy by 70% and ensuring consistent performance across platforms for seamless post-launch operations
- Partnered with email marketer to create interactive, responsive email widgets using HTML and CSS, achieving a 3% increase in click-through rates while maintaining functionality across diverse email clients.
- Created user guides and documentation to simplify the onboarding process for 150+ B2B companies moving to a new ordering platform, streamlining adoption and reducing support inquiries by 10%.
- Designed detailed wireframes and interactive prototypes to align features and user interface with target audience needs found through feedback, reviews, and competitor benchmarking, maximizing usability and customer engagement potential.

Research Assistant **Sept 2023–Dec 2023**
Computer Science Department, Western Washington University *Bellingham, WA*

- Conducted thorough literature reviews, reading and annotating over 100 sources on mental health technology, concentrating on autism research, ensuring comprehensive understanding and up-to-date field knowledge.
- Collaborated with senior researchers to identify relevant studies and sources, contributing to the development of research hypotheses and methodologies.
- Presented findings at weekly research meetings, helping to refine the project scope, study's focus and accuracy.

PROJECTS

Water Weather Station

Teamed with mobile app and hardware engineers on the development of a real-time IoT water data collection system including a responsive web UI and scalable API, to monitor water health by leveraging buoys equipped with sensors to gather and analyze data anywhere.

- Optimized RESTful API in Node.js, deploying it and UI on a live server, and reconfiguring endpoints to enable seamless connections between the mobile app, API, and UI for real-time data display.
- Restructured the PostgreSQL database, eliminating redundancy and scaling the architecture to accommodate additional data requirements for acquisition by the United States Department of Defense, ensuring efficient and flexible data handling.
- Refactored API query logic to allow endpoints to process large datasets ensuring each item was validated and added based on user permissions, significantly reducing latency, improved response times, and ensuring smooth handling of complex data, enhancing system efficiency and user experience.
- Created comprehensive technical documentation, including software design specifications, API endpoint guides, and architectural diagrams, to support the development and future scalability of the system.

SKILLS

Languages: Java, JavaScript, SQL, HTML/CSS, PHP
Technologies & Frameworks: Node.js, React, React Native, Bootstrap, Express, Sequelize, Expo
Databases: PostgreSQL, MySQL
Software & Tools: Git, Docker, Firebase, Postman