Boulder, CO

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Skills

- HTML & CSS
- JavaScript (ES6)
- TypeScript
- React.js
- Redux Toolkit
- Material UI
- RESTful APIs
- NodeJS / Express
- SQL (Postgres, SQL Server)
- ESLint
- Git Version Control
- Agile Scrum Methodologies
- Technical Documentation
- Responsive Design

Education and Training

Master of Science - Computer Science
August 2023 – Present
Expected Graduation August 2025
University of Colorado Boulder

Bachelor of Arts - Intercultural Studies
May 2018
Mount Vernon Nazarene University

Kailey Waal

Frontend Software Engineer

Professional Experience

PNC Bank - Software Engineer
November 2021 - Current

- Improved average time to incident remediation by 8% by collaborating with team of 3 engineers to launch the **React/TypeScript** user interface for application that leverages **Redux Toolkit** to seamlessly integrate with a **RESTful API**, facilitating critical communication with over 7,250 individuals

- Increased web application user satisfaction survey scores by 37% by spearheading the **UI redesign** of the company's internal communication application and utilizing **Jira** to coordinate resulting development efforts

- Expanded **website accessibility** by 59% by using **Material UI** component library to revamp desktop-only application and optimize it for mobile devices and small screens

- Enhanced developer productivity by up to 25% through the configuration of **ESLint** rules, which automated the enforcement of consistent coding standards according to best practices and enabled a more scalable, reliable, and efficient software development process

- Achieved a 28% increase in teamwide pull request approvals without the need for revisions by creating comprehensive **documentation** that outlines coding standards, streamlining the process and ensuring consistent coding practices among all team members

Faith Family Empowerment Center - Volunteer Front End Developer
March 2021 – May 2021

- Saved the organization $19,845 by providing website design, development (**HTML**, **CSS**, and **JavaScript**), and copywriting to drive donations, increase reach, and communicate the organization's mission, vision, and needs

Projects

Virtual Stock Market Game – Final Capstone Project – view feature demo

- Led front-end development efforts on 4-person **Agile** team to build **Vue.js** UI for a virtual stock market game that allows users to compete with friends

- Utilized Axios to integrate with **RESTful API** data, designed and built out the game's main dashboard, and used the Apache ECharts library to display a graphical view of historical stock data

- Assisted backend engineers in designing a **PostgreSQL** database and evaluating necessary API data for MVP user stories, resulting in the successful implementation of 100% of essential features as well as additional features beyond the project's scope