

# Neil Spencer Rafada

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## EDUCATION

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### Brigham Young University - Idaho

*Bachelor of Science in Software Engineering*

Rexburg, ID

*Sept. 2018 – July 2023*

- **GPA** – 3.6
- **Relevant Coursework**
  - \* Full-Stack Web Development, Frontend Development I & II, Backend Development PHP, Backend Development - REST, Programming with Data Structures, Introduction to SQL Database, Data Wrangling & Visualization, Senior Project

## EXPERIENCE

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### Frontend React Developer

Sep. 2023 – Present

*FamilySearch*

*Remote*

- Developed feature in React that asks users to replace user defined information queried from the backend to best possible verified information by practicing test driven development leading to increased average daily unique users
- Resolved and debugged over 15 JIRA tickets, validated by Quality Assurance Engineers, through end-to-end testing, utilizing VS Code and Browser Developer Tools to troubleshoot React component states
- Contributed to a successful campaign resulting in a 20% increase in unique users by collaborating with a cross-functional team of developers and QA. Specifically, developed a key component of the campaign's main feature

### Frontend React Developer Intern

Apr. 2023 – Jul. 2023

*FamilySearch*

*Remote*

- Wrote unit tests using Jest and React Testing Tools which led to an increased tests coverage reported by CodeClimate from 82% to 84% in a 40,000 line codebase
- Created a React-based Call To Action Button that opens an activity dialog, integrating an analytics Webhook for monitoring user engagement during A/B testing.
- Increased application performance and reduced initial load times by converting images and assets to WebP format using browser WebP converter

### TA Manager Assistant

Aug. 2022 – Apr. 2023

*Brigham Young University - Idaho*

*Rexburg, ID*

- Implemented visual tool, Trello, to streamline workflow and visualize tasks and assignments in a team of five student employees leading to increase 20% work efficiency and met project deadlines
- Analyzed and maintained 34 week log of work hours using R to wrangle and visualize data assisting in key employment decisions

## PROJECTS

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### COSE | *React, TypeScript, Express, Node.js, PostgreSQL, Jest, GitHub Actions*

Nov. 2023 – Present

- Developed a Full-Stack Web Application to streamline Construction operations such as expenses management in a single application using NextJS to handle user interactions that communicates with the backend to get and store information in a PostgreSQL database
- Implemented Continuous Integration and Development through automation using GitHub Actions to validate build and unit tests for robust application development environment

### Personal Wedding Website | *React, Node.js, Express, MongoDB, Git, SCSS*

Jan. 2023 – Jul. 2023

- Developed a Full-Stack MERN Web Application hosted in the cloud using Render that handled 50+ RSVP inputs, posted to the server, and stored in the database which led to efficient tracking of guests and invitations sent
- Created a countdown timer component using React Hooks and State Management that led to informed planning and preparation for guests

## TECHNICAL SKILLS

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**Languages:** JavaScript, TypeScript, HTML/CSS, SQL (Postgres)

**Frameworks:** React, Node.js, Express, Next.js

**Developer Tools:** Git, TravisCI, GitHub Actions, VS Code

**Libraries:** Jest, React-Testing-Tool, Radix-UI