Grant Walton

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Software Engineer

A creative, adaptable and social full stack web developer with experience in graphic design and interests in math and science. Highly commended for my ability to rapidly pick up new skills and methods to a high standard. In addition to my technical skills, I bring strong interpersonal skills, experience managing teams, and extensive knowledge in devising and implementing new ideas. An adventurous coder with a passion for trying new things and bringing ideas through technology

Skills

React, Redux, JavaScript, HTML5, CSS3, SQL, PostgreSQL, Sequelize, Python, Flask, SQLAlchemy, Alembic, Test Driven Development, Object Oriented Programming, REST APIs, Ubuntu, Express, Heroku, Adobe Illustrator/Photoshop

Projects

PokéFlex HTML5, Pug, JavaScript , CSS3 ,PostgreSQL, Sequelize, Node.js   live site | github

A GoodReads clone with a Pokemon spin for users to keep track of Pokemon's Status' using different Catchlists

- Utilized **pagination** within the list of pokemon to help with rendering and display of the original 151 Pokémon
- Integrated **Bcrypt** to hash user passwords before storing in the database to ensure privacy and created user authorization to restrict access to parts of the app
- Incorporated **AJAX** to fetch API endpoints interacting with the database to grab data requested by users

Chairbnb   JavaScript , React / Redux , PostgreSQL, Sequelize, HTML, CSS, Express   live site | github

An Airbnb clone used to rent and review all types of chairs, listed by other users

- Implemented **JWT** and **Bcrypt** for user authentication and password hashing for user privacy
- Leveraged **Redux** to create a single page app by saving states throughout a user's session to dynamically render **React** components upon changes by a user without a refresh
- Utilized an **animation library** to incorporate smooth transitions between pages and to give users feedback

TasteBuds Javascript, Python, React / Redux, Flask, SQLAlchemy, Alembic, PostgreSQL, HTML, CSS live site | github

A Meetup clone focused on food used to create Groups and Events for other users to join and attend

- Designed a **RESTful API** as a way to make fetch calls using **AJAX** to interact with database
- Communicated with group members to maximize efficiency using **Git** following an **Agile** methodology
- Improved Meetups design by creating more intuitive navigation and functionality using **React**
- Implemented a **search** bar to help navigate as well as a **calendar** to filter for events based on dates

Scribe   Javascript, Python, React / Redux, Flask, SQLAlchemy, Alembic, PostgreSQL, HTML, CSS   live site | github

An Evernote clone for users to create personal notebooks and write notes for daily use

- Utilized **React Hooks** to implement **auto save** feature for notes through the use of **useRef** and **useEffect**
- Assembled a function to call an **external API** to grab quotes to inspire Scribe users
- Optimized the use of normalized data within **Redux** state to reduce fetch calls and render data in **O(1)** time complexity

Education

App Academy | June 2022 | Online

Immersive software development course with 1000+ hours focused on full stack web development

Saugus High School | 2017-2021 | Santa Clarita, CA | GPA 3.8

- **AP Computer Science** - Learned basic principles of Computer Science
- **Honor Scholar**