

Quintin Russell

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Technical Skills

Tools: JavaScript (ES5 & ES6), React.js, jQuery, CSS3, HTML5, RESTful APIs, NodeJS, Express.js, PostgreSQL, Python, SQL, Git, GitHub, VS Code, npm, Figma, Canva, React Dev Tools, Docker, Webpack

Experienced: Responsive Design, Procedural Programming, Object-Oriented Programming, AGILE methodology

Applications Developed

QuickTrack || Live  - GitHub 

A **full-stack application** for people that want to build positive financial habits by tracking their expenses. Created using **React.js**, **PostgreSQL**, **Express.js** and **NodeJS**

- Controlled the state of pages with reusable **React** components and event handlers to save hundreds of lines of code.
- Constructed **RESTful APIs** using **Express.js** endpoints that validate user input, handle errors, and deliver relevant JSON data from a **PostgreSQL** database to the user to view past purchases and analytics
- Designed summary page that dynamically displays graphs and summary analytics based on user specifications

MoodTrace || Live  - GitHub 

A **front-end web application** for people that want to prioritize their mental health by journaling and tracking their general mental state over time.

- Single-page web application that uses **jQuery** for DOM manipulation to respond to user input and view-swapping
- Sent user data and received data analysis form a sentiment analysis API using asynchronous (**AJAX**) fetch requests.

Other: Time Manager (Python) || GitHub 

Portfolio Site || In development (coming soon!)

A **full-stack website** to increase reach and showcase my projects and skills. Created using **React.js (react-spring and emotion)**, **PostgreSQL**, **Express.js** and **NodeJS**.

Professional Experience

Teaching Assistant || LearningFuze (Remote) || January 2022 - Current

- Provided detail-oriented assistance with learning exercises and project construction: **JavaScript (ES6)**, **CSS**, **HTML**, **React.js**, **Express.js**, **PostgreSQL**, **DOM manipulation**, **RESTful APIs**

Environmental Engineer || Dudek (Encinitas, CA) || April 2020 - Current

- Licensed Engineer in Training (California; Environmental Engineering)
- **Conveyed technical data** utilizing Geographic Information Systems (GIS) analysis and modeling; **Trained colleagues** in data visualization and data collection
- Developed **Python** programs for data analytics and wrote **JavaScript** code to dynamically control data visualization; saved hundreds of hours from industry-standard methodologies.

Education

Bachelor's Degree, Water Resources || Oregon State University

- House Manager and Historian of Pi Kappa Phi: Alpha Zeta Chapter
- Member of the Oregon State University Honors Society
- Head of Hydraulic Mapping and Public Relations for the Oregon State University EPA RainWorks team

Accelerated Full-Stack Web Development Program || LearningFuze

- See *Technical Skills* section
- Spent over 800 hours of project-based education learning **React.js**, **NodeJS**, **JavaScript**, **HTML** and **CSS** in a collaborative environment including weekly stand-ups
- **Time Management and Organization** (working a 40+ hour/week job while completing >500 hours of projects)

Introduction to Scripting in Python Specialization Program || Rice University (Coursera)

- Modules used: numpy, matplotlib, datetime, os, csv, and pandas