

Quintin Russell

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Technical Skills

Strong: JavaScript (ES5 & ES6), React.js, NodeJS, Express, PostgreSQL, Python, CSS3, HTML5, JSON, Flexbox, RESTful APIs, HTTPie

Experienced: Dynamic Application Design, Procedural Programming, Object-Oriented Programming, AGILE methodology

Tools: Git, GitHub, VS Code, npm, Webpack, Figma, Canva, React Dev Tools

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 **Node.js***

- 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 data from a **PostgreSQL** database to the user to view past purchases and analytics
- Designed summary page that dynamically updates 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.

- Sent user data and receive data analysis form a sentiment analysis **API** using **asynchronous fetch requests**.
- Displayed user data using a **CSS**-controlled graphing API

Other: Time Manager (**Python**) | GitHub [🔗](#)

Professional Experience

Teaching Assistant | LearningFuze (Remote)

January 2022 - Current

- Provided detail-oriented assistance with learning exercises and project construction using: JavaScript (including **Express.js**, **PostgreSQL**, and **React.js**), **HTML**, and **CSS**.
- Guided students by using personal experience, MDN documentation and trial and error.

Environmental Engineer | Dudek (Encinitas, CA)

April 2020 - Current

- Engineer in Training (Environmental Engineering); licensed in the State of California
- Developed a **Python** program that analyzed over 50 years of sub-hourly stream flow data. The program accounted for data gaps and saved hours of manual analysis
- Conveyed technical data utilizing Geographic Information Systems (GIS) analysis and modeling
- Wrote **JavaScript** code to dynamically control the display properties of data

Education

Bachelor's Degree, Water Resources | Oregon State University

- *Member of the Oregon State University Honors Society*
- *Head of Hydraulic Mapping for the Oregon State University EPA RainWorks team*
- *Head of 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
- 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