

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

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

- Used reusable React components to event handlers to dynamically control the state of pages (saving hundreds of lines of code).
- Constructed RESTful APIs using Express.js endpoints that validate user input, handle errors, and deliver relevant data 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.

- Utilized a sentiment analysis API and asynchronous fetch requests to send user data and receive data analysis.

Other: Code Journal | Live [🔗](#) - GitHub [🔗](#)

🧠 Professional Experience

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
- Utilized Geographic Information Systems (GIS) analysis and modeling to convey data
- Wrote various technical reports for submittal to regulatory agencies

Lab/Field Technician | LGC Geotechnical Inc. (San Clemente, CA)

January 2017 - February 2018

- Performed geotechnical lab and field tests (Maximum Density, Expansion Index, etc.)
- Performed field oversight to ensure that projects were to the specifications of the engineer (supervise work teams, classify subsurface conditions, etc)

🎓 Education

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)

- Implemented familiarity with Python syntax, data types, modules and methods to create programs
- Modules used: numpy, matplotlib, datetime, os, csv, and pandas

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