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
- 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 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-controled graphing API

Other: Time Manager (Python) | 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
- Conveyed technical data utilizing Geographic Information Systems (GIS) analysis and modeling
- Assembled and wrote technical reports for regulatory agencies from cradle to submittal

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*