Crystal Luo

Software Engineer
Raleigh, North Carolina

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LinkedIn | GitHub | Portfolio

SUMMARY

Software developer proficient in HTML, CSS and JavaScript with working knowledge of Python and SQL. I have 2+ years of industry experience working in data and biotech.

SKILLS

Front-End: JavaScript ES6, React, React Hooks, HTML5, CSS3, Sass
Back-End: Node.js, PostgreSQL, Express.js, Knex.js
Additional Tools: Mocha, Chai, Git/GitHub, Vercel, Heroku

PROJECTS

Periodic Tables | https://rr-app-frontend.herokuapp.com
- Full stack restaurant-side table reservation application
- Allows restaurant employees to create and edit customer reservations, make seating arrangements and create new dining tables.
- Tech: HTML5, CSS3, JavaScript, Node,js, React, Bootstrap 4, PostgreSQL, Express.js, Knex,js

Flashcard-O-Matic | https://github.com/crluo/flashcard-app
- Web app front-end of a flashcards application
- Allows users to create, edit, update, delete and study flashcard decks
- Tech: HTML5, CSS3, JavaScript, Node,js, React, Bootstrap 4

WeLoveMovies | https://github.com/crluo/we-love-movies
- RESTful API for a movie finder app that communicates with a Postgresql database to pull up movies, theaters, and related critic information.
- Tech: PostgreSQL, Express.js, JavaScript, Node,js, Knex.js

EXPERIENCE

ASSISTANT SCIENTIST, DATA CURATION
Metabolon, Inc. | Morrisville, NC   Aug 2018 – May 2021
- Analyzed datasets to provide metabolomic insights from clinical and LC-MS data with thousands of data points with strong attention to detail
- Provided testing support in enumerating features for proprietary software development

LABORATORY ASSISTANT
Altman Clinical and Translational Research Institute | La Jolla, CA   Mar 2015 – Sep 2016
- Recruited and consented patients for rheumatic disease study following GCP
- Maintained operational laboratory maintenance and administrative duties according to HIPAA protocol

EDUCATION

SOFTWARE ENGINEERING   2021
Thinkful
- Learned industry best practices and practical software development standards with a focus on HTML5, CSS3, JavaScript, Node.js, React, PostgreSQL
- Created and deployed mobile-first applications while learning new languages and frameworks

BACHELOR OF SCIENCE (B.S.) PHYSIOLOGY AND NEUROSCIENCE
University of California, San Diego   2013-2017