

Carl Molina

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EXPERIENCE

RITHM SCHOOL

Feb 2024

Full Stack Engineer Intern

Remote

- Built Numbers API mobile app prototype with React Native to allow users to generate dynamic categorical number facts
- Tested homepage with Selenium to model ux and contributed additional backend tests to maintain 99% test coverage
- Implemented stretch goals such as generating random fact on smartphone shake using Expo Accelerometer
- Utilized Figma to create mockups of homepage and mobile app designs and used Sass for reusable styling

KETT ENGINEERING

May 2018 - May 2023

Field Operator Specialist III

Santa Clara, CA

- Served as Calibrations and Sensor Health DRI for autonomous vehicle operations in a dynamically-changing, fast-paced onsite setting w/ a variety of high-value clients.
- Managed a team of driver-operators, facilitating optimal use of labor allocation, following SOPs, and encouraging best practices, resulting in higher team retention rates, increased overall technical/product knowledge and productivity by 150%, and decreased human operator error to less than 10%.
- Consistently completed successful high-volume calibration sprints in advance of deadlines, delivering and meeting company/client goals, and pushing overall project readiness ahead of schedule in high-impact, high-profile scenarios. Increased average output of full systems calibration cycles from 2 vehicles/day to 4 vehicles/day w/ healthy, accurate, repeatable merges.
- Collaborated closely w/ engineers, project managers, and external stakeholders to expedite test requests, research and development, and internal program processes including onboarding, training, and cross-team communication.
- Lead all phases of calibration and sensor health operations from drafting SOPs, planning and scheduling, build, test request, deployment, testing, ingestion, metadata, annotations, and data review.

OCCUPATIONAL TRAINING INSTITUTE

Dec 2017 - Apr 2018

CompTechS Intern

Cupertino, CA

- Refurbished donated, used computers to redistribute to underprivileged students. Installed software, inspected and tested each computer before approval to distribute. Collaborated w/ interns and taught new interns basic installation.

SKILLS

Programming Languages

JavaScript, Python, TypeScript, SQL, HTML5, CSS3, SCSS, Markdown

Technologies

React, React Native, Flask, Node, Express, S3, PostgreSQL, Bootstrap, Jest, Vite, jQuery, Jira, Git, Selenium

NOTABLE PROJECTS

Jobly | [Live Demo](#) | [Repo](#)

Jan 2024 - Feb 2024

- Full-stack web application where companies can post available jobs. Signed-in users can browse and apply to new jobs.
- Frontend/backend using React and Express frameworks. Uses jsonschema and JWT for backend authentication. Bcrypt for password hashing and encryption. User token stored in localStorage. React state management and context.

Pixly | [Live Demo](#) | [Repo](#)

Jan 2024 - Feb 2024

- Full-stack image application that lets users upload image files, view other images, filter search, and view EXIF metadata.
- AWS S3 to store/retrieve image files. Flask (Python) to serve HTML w/ Jinja templating and jQuery for DOM manipulation. Pillow for image resizing. Flask-SQLAlchemy as ORM for PostgreSQL database. Exifread to extract EXIF metadata.

Plant App | [Live Demo](#) | [Repo](#)

Dec 2023

- Plant search site that lets users search plants and view specific care details per plant. Signed-in users can bookmark plants. Additional tech: Perenual API, Flask, Jinja, SQLAlchemy, JS, jQuery, Fetch, Axios, WtForm, Flask Session, Bcrypt.

Flask Cafe | [Live Demo](#) | [Repo](#)

Dec 2023

- Cafe search site to browse cafes. Admin users can add cafes. Additional tech: MapQuest API, Flask Session, SQLAlchemy

EDUCATION

Rithm School Full Stack Software Engineer Program

Mar 2024

Associate of Science in Computer Science | De Anza College | Cupertino, CA

Dec 2019

- GPA: 3.79, Developers Guild, CompTechS Intern, Phi Theta Kappa Honor Society

Bachelor of Arts in Screenwriting | Loyola Marymount University | Los Angeles, CA

May 2016

- GPA: 3.63, Cum Laude, Dean's List, Asian Pacific Student Services Program Assistant, EIS Program Assistant