Shivam Patel

SOFTWARE ENGINEER

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University of California, Berkeley

Data Science (Computer Science)

Bachelors of Arts, Dec 2019

Java | React | Python | SQL | JavaScript | HTML | SCSS | Ruby | Firebase | Git | jQuery

Resource19 | Frontend Engineer

April - December 2020

- Developed web app to mobilize and connect a community of manufacturers to hospitals in need amid COVID-19
- Utilized React and Reactstrap to create a responsive website that curated newly certified designs of hospital supplies
- Implemented component based architecture to create a responsive React-Bootstrap carousel with infinite loop
- Generated component based design cards via Firebase/REST API's and developed modal architecture to allow shareable links
- Led team to integrate CSS pre-processor LESS in order to dynamically design webpage components and mixin

Salesforce | Full Stack Software Engineering Intern

June - August 2019

- Utilized JavaScript and Ruby Sinatra to develop a self-service customer facing tool that tokenized regex expressions for customers & employees to mount and ship data into the DVA Monitoring Pipeline
- Streamlined onboarding process for customers, improving ramp-up time from 3 weeks to 3 hours
- Created an automated tool to write Puppet Modules for 600+ new logtypes being shipped through the pipeline, assisting in the transition to the Public Cloud
- Leveraged database driven API's, Javascript, Sinatra Ruby, Puppet modules, and Docker containers to collate and standardize data monitoring pipeline
- Practiced test-driven development writing both Unit & Integration tests utilizing the Selenium framework

Jnana Solutions | Software Engineering Intern

May - August 2018

- Spearheaded transition for data visualization from Google charts to React and D3.js
- Modeled market strategy in React.js and D3.js for product intro that resulted in 11% sales increase
- Designed probability models for incoming leads to process complex datasets and inform actionable strategies

Predictive Sports Analytics Model

- Scraped large statistical datasets that were loaded into a SQL database utilizing SQLite single-file database engine along with Python scripts, allowing for complex joins and merges
- Applied dimensionality reduction using PCA to reduce noise in the datasets
- Utilized sklearn to implement a regressive, supervised learning model to predict outcomes fitting the learning algorithm to the training set to improve from 30% accuracy to 55%

Pediatric Color Perception Methodology

- Led team to create a digital color blind test incorporated with a game to aim at toddlers
- Generated images for the color examination test by parsing through Processing 3.0 with Javascript