

Sherri Li

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Education

University of California, Santa Cruz

B.A. Mathematics, Minor in Computer Science

September 2015 - June 2019

GPA: 3.8 / 4.0

Technical Skills

Python, Java, C, JS, HTML, CSS, SQL, R, MatLab ■ Git, Docker, Flask, Selenium ■ Jenkins, Nebula, Android Studio

Project Experience

Remed Me

- Remind patients to take their prescription medication.
- A headless web application built using Python and Flask.
- The back-end calls Cloud Vision API for image parsing, and Twilio API for text alerts and image retrieval.

Sentiment Analysis

- Predict the sentiment of Rotten Tomatoes movie reviews, on a scale of 1 - 5.
- Implemented scikit-learn's Logistic Regression and Multinomial Naive Bayes models.
- Pre-process data using nltk and pandas packages.

Food Friends

- Connect volunteers to local food pantries using GoogleMaps API.
- A mobile application built using Android Studio and Java.
- Created a page for users to make accounts and donate money through Venmo.

Work Experience

Test Automation

April 2018 - June 2019

Information Technology Services, UC Santa Cruz

- Designed and architected a CI/CD Jenkins pipeline that connected to BitBucket and Nebula.
- Developed automated tests for homegrown UCSC web applications using Python, Shell, and Selenium.
- Integrated GoogleSheets API into Python scripts to generate automatic test logs.
- Ran stress tests using JMeter HTTP requests feature.
- Gained familiarity working in Ubuntu, CentOS, Windows, and MacOS.
- Leveraged LastPass CLI to improve credentials security of login tests.
- Created QA automation tutorials and one-on-one training for technical staff and business analysts.
- Created new test plans and analyzed test results.

Relevant Coursework

Math: Applied Bayesian Statistics ■ Abstract Algebra ■ Probability Theory ■ Linear Algebra ■ Number Theory

CS: ML ■ Databases ■ Computational Applications ■ Data Structures ■ Algorithm Design ■ Distributed Systems