Kenny Luu

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Education

University of California, Riverside — B.S. Computer Science June 2017

Skills

Programming:

- Most experienced with: Python, Bash
- Some experience with: C++, R, PHP, Java

Database: Some experience with MySQL
Computer OS: Ubuntu, Windows
Software: Git, GitLab, JIRA, Docker

Experience

Quality Assurance Analyst and System Operations Support SQAsquared January 2018 - February 2019

- Developed test cases in accordance to the clients' acceptance criteria.
- Performed functional testing such as regression tests, smoke tests, and sanity tests.
- Automated using Selenium WebDriver in Python or Java.
- Provided IT support for over forty users.
- Built upon a PHP application to reset users' passwords via SMS tokens for any mobile carrier. The application utilizes LDAP to handle user information.
- Implemented Docker containers to run the QA team's automation. Providing a scalable and easily manageable solution to run automation for many clients.
- Created GitLab continuous integration pipelines with Docker to test multiple browsers on different configurations.

Programmer UCR Bioinformatics Core Facility September 2016 - June 2017

- Ran, maintained, and upgraded an existing pipeline with a Bash and R workflow. This pipeline manages sequencing data, DNA, RNA, and small RNA.
- Integrated new features with the intention of automating the pipeline.
- Maintained and updated a MySQL database.
- Generated sequence files for over one hundred biological/research projects.
- Processed sequencing data into readable quality check reports and troubleshooted quality check reports for clients.

Project

Senior Design in Bigdata Analysis, UC Riverside January 2017 - March 2017
Twitter Craves

- Utilized Twitter's streaming API with Tweepy, a Python library, to collect Tweets that are related to food in JSON format.
- Used the Spoonacular API, a food and recipe API, to detect food, find recipes, and provide nutritional information about those recipes.
- Preprocessed data in parallel using Spark and stored the output into Cassandra.
- Provided a recipe of the day by analyzing the top ingredients of that day with Spark's map and reduce functions and using the Spoonacular API to query a recipe with most ingredient matches.