Riyád Khan

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Skills Summary

- Tech: HTML, CSS, Javascript, Django, Python (Pandas, Beautifulsoup, Matplotlib), C++, SQL(SQLite), MATLAB, Git, Bitbucket, Github, Wix, Confluence, Jenkins, Jira.
- Tools: Google Analytics, REST APIs, Adobe Lightroom, Gimp, Blender.
- Courses: Digital Computation, Data Structures and Algorithms, Computer Structures and RTS.

Projects

- Analyzed sales data with Pandas and SQL queries for Shopify's Data Science Challenge.
- Webscraped over 200 data entries from the website myanimelist using Python's Beautifulsoup library then created an anime recommender using Python's sklearn library.
- Implemented simple machine learning algorithms (Linear Regression and Support Vector Machines) to analyze and predict the performance of Bitcoin.
- Utilized Python's OpenCV library to calculate the dimensions of objects in images.
- Created a CRUD application to track indie comic book sales using Django.
- Constructed a quote generator using Javascript that generates random quotes using a third-party API.
- Analyzed the accessibility of different CAPTCHA systems for a work term report.
- Collaborated with a virtual team on a consulting research project for Sunshine Coast Credit Union on the future of Canadian credit union systems.
- Contributed to the open source project opsdroid (chat bot) by converting unittests to pytests.

Work Experience

Quality Assurance Co-op / DigitalEd — Jan – Apr 2019

- Created documentation for QA test cases, build deployment on the Google Cloud Platform as well as collaboratively developed a Gherkin feature file style guide Confluence page.
- Evaluated the quality of the Möbius and Maple platforms (math engine for online learning) on macOS, Linux and Windows systems by reporting and tracking over 300 tickets in Jira.
- Designed Gherkin feature files for use in the automation of test cases.
- Worked with Git to upload feature files to Bitbucket for peer review as well as to deploy test instances on the GCP in coordination with the Site Reliability Engineering team.

Quality Specialist Remote Co-op / Economical Insurance group — May – Aug 2020

- Automated the retrieval of test results from the Zephyr for Jira API and organization of test results into excel spreadsheets with Python.
- Increased testing suite coverage by creating and running automated tests using selenium.
- Utilized SQL queries to extract, transform and load data from MySQL databases.
- Deployed testing environments using Jenkins.