STEPHANIE HSU

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LANGUAGES

C++, Python, JavaScript, HTML/CSS, SQL

TOOLS

React, Django, Git, Bash, Atlassian Tools, Selenium, JUnit

EXPERIENCE

Quality Assurance Analyst *SSIMWAVE Inc.*   Sept – Dec 2019

- Executed front-end and back-end tests through manual validation and SQL queries, leading to 3 product releases
- Set up testing environments though Ubuntu using virtual machines, Linux Containers, and FFMPEG
- Conducted research on video and streaming tools to support local simulation of events that arise in streaming media
- Designed and validated test cases implemented into regression testing, saving developers +90 minutes per test case
- Revised outdated test cases, increasing efficiency of each regression test run by 30%

Quality Assurance Analyst *DigitalEd*   Jan – Apr 2019

- Performed pull requests, smoke tests and acceptance tests to assess the quality of an online education platform
- Created +10 test cases for features that were implemented into acceptance testing
- Standardized feature files for the process of automating a weekly smoke test using Cucumber's Gherkin language
- Implemented unit tests in Java using JUnit and Selenium for regression testing
- Documented processes to facilitate procedures for future quality assurance analysts

PROJECTS

WeatherCheck *Django Web App*

- Created a Django weather app that obtains weather data by web scraping and parsing Google's weather information
- Designed a minimalistic user interface using HTML and CSS elements and Django template language

musixplore *React Web App*

- Developed a multiple page React app for exploring music using React Router to link together components
- Consists of a homepage with clickable tiles to browse album and playlist data retrieved from the Spotify Web API

Break In At Boston Boulevard *Python Adventure Game*

- Designed a Python text-based adventure game using Python's tkinter GUI package and ttk module to allow user interaction with game elements through typed input and buttons

EDUCATION

University of Waterloo   Sept 2018 – Jun 2023

- Candidate for BASc, Majoring in Computer Engineering
- Relevant courses: Algorithms and Data Structures (C++), Fundamentals of Programming (C++), Systems Programming and Concurrency (C)