

Victoria Li

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professional experience

Software Engineer | Canon Medical Systems Canada Limited Feb 2023 – Aug 2023

- Contributed to the architecture and design phases of a new project which to create a solution for transitioning from utilizing a third-party authentication service to our internal authentication service
 - Implemented a Gradle file in Java and worked with Docker images to demonstrate a proof of concept and viability of project
- Revised legacy Python 3.0 clean up scripts to guarantee the deletion of sensitive patient data by making queries to the SQL databases
- Generated queries in Elasticsearch to extract and identify specific error log messages from a dataset of over 10000 entries
- Fixed over 8 bugs in our Java codebase to improve functionality and code simplicity based on user requirements, which helped contribute towards a new major product release
- Participated in daily stand ups and agile sprints to work collaboratively with the software development team using Jira

Software Quality Assurance Test Engineer (SDET) | Canon Medical Systems Canada Limited May 2022 – Aug 2022

- Performed regression review for major releases by analyzing and debugging system tests to determine the root cause of failure and identifying potential bugs in code
- Utilized Pytest and JUnit to write over 10 automated test scenarios for new features of the application
 - Made use of fixtures to parameterize multiple test cases, including edge cases and unhappy path testing
- Identified failing unit tests using Mockito framework in Java and collaborated with senior developers to fix the unit tests
- Participated in code reviews and technical discussions to ensure a high-quality product that is user friendly

QA Engineer | Polar Sept 2021 – Dec 2021

- Automated web application tests leveraging Selenium WebDriver in Python with a focus on test-driven development, resulting in greater code coverage and ensuring functional requirements are met
- Wrote and executed thorough manual testing for complex software applications, ensuring the delivery of a high quality product to clients
- Conducted unit, regression, capture traffic and plugin testing for browser based advertisements

Data Scientist | Health Canada Jan 2021 – Apr 2021

- Used Python and various libraries such as Scrapy to write a script to extract and save website traffic events into a PostgreSQL database using Linux which is utilized by Health Canada's machine learning algorithms
- Wrote complex SQL queries to identify duplicate files using their hash values in a large dataset

Process Automation Developer | IBM May 2020 – Aug 2020

- Created a proof of concept using Java to automate business rules by leveraging RESTful APIs to simplify business decisions
- Self-taught and took IBM certified courses in various business automation courses, including UiPath

additional skills

- Experienced with Python 2.x, 3.x, Java, C++, C#, Pytest, Selenium, Linux, Git (version control), SQL, Jenkins, HTML, CSS, Jira
- Familiar with: scripting, back-end development, test driven development, automation and testing, agile methodology

personal projects

Personal website | victorialiprjects.github.io

- Developed my personal website using Javascript, HTML, and CSS and integrated other design elements
- Utilized Git version control to continuously update website with new developments, updates, and improved UI

education

2019 – Expected 2024 :

Bachelor of Applied Science in Biomedical Engineering - University of Waterloo

Fall 2020 : Deans Honour List