

# Victoria Li

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## professional experience

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

- Implemented a Gradle file in Java and worked with Docker images which isolated security-related microservices from other application services to build a reusable lightweight component of our security interface
- Revised legacy Python 3.0 clean up scripts to guarantee the deletion of sensitive patient data in SQL databases in compliance with privacy standards
- Generated queries in Elasticsearch to extract and identify specific error log messages from a dataset of over 10000 entries
- Became familiar with how to process DICOM and HL7 messages and how they exchange important imaging information such as imaging modalities
- Participated in daily stand ups and agile sprints to work collaboratively with the software development team using Jira

**Software Development Engineer In Test (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 to test new features of the application following the software development life cycle
  - 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 devs 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

- Strong experience in automating web application tests leveraging Selenium WebDriver, resulting in greater code coverage
  - Introduced new automation tests and became proficient with writing test cases in Python using element locators, selectors, XPath, etc.
- Conducted unit, regression, capture traffic and plugin testing for the programmatic 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, Pytest, Selenium, Java, C++, C#, 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](https://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 and pages

## education

2019 – Expected 2024 :

**Bachelor of Applied Science in Biomedical Engineering** - University of Waterloo

Fall 2020 : Deans Honour List