Vivian **Yao**

Developer

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Education

Queen's University — *Kingston, Ontario*
Bachelor of Computing (Honours), Specialization in Software Development — *Sept. 2018 - May 2023*

Work Experience

Receptionist — *Toronto, Ontario*
UNIVERSITY PLUMBING — *Oct 2023 - Current*
- Implemented Python scripts and utilized MS Excel to identify and resolve operational inefficiencies at the front desk, enhancing administrative workflow and client service delivery.
- Streamlined payroll processing and improved the accuracy of employee records through meticulous data management, contributing significantly to administrative efficiency.
- Provided critical IT support at the front desk, resolving computer and printer issues, managing the company's internal software, and offering tech support to staff and visitors, demonstrating problem-solving skills and IT proficiency.

Teaching Assistant — *Kingston, Ontario*
QUEEN'S UNIVERSITY — *Sept 2022 - Jan 2023*
- Served as a Teaching Assistant for a Software Methodologies course, focusing on aiding students in understanding complex material through targeted assistance and tutoring.
- Evaluated exams and assignments, contributing to the establishment of grading standards for a diverse class of 75 students, ensuring fairness and consistency in assessment.
- Provided comprehensive support to students via Piazza and email, addressing inquiries, clarifying course materials, and offering guidance to facilitate academic success.

Test Automation Engineer — *Ottawa, Ontario*
ERICSSON — *Sept 2021 - Sept 2022*
- Designed, implemented, and deployed an advanced suite of internal tools, significantly enhancing data visualization and analysis capabilities for over 2,000 daily automated tests.
- Leveraged Python, Bash scripting, and JSON for data manipulation within a Linux environment, achieving a 60% reduction in build times for test data visualization projects.
- Developed robust testing protocols using pytest and Selenium, ensuring high reliability and performance of application results.
- Led the creation of comprehensive documentation for several projects, collaborating closely with senior developers to ensure accuracy and usability.
- Integrated Continuous Integration/Continuous Deployment (CI/CD) processes using Jenkins and Git to streamline development workflows and enhance project efficiency.

Projects

Plant Germination Calendar (In Progress)
HTTPS://GITHUB.COM/VYAO3130/PLANT_CALENDAR — *Started Feb 2024*
- Developing an interactive web application using Next.js, React, TypeScript, and Tailwind CSS, designed to inform users about the optimal times to start germinating various plants.
- Incorporates a user-friendly interface allowing users to select their region and preferred plant species, providing customized planting calendars based on local climate conditions.
- Focuses on clean code practices and component-based architecture, leveraging the power of TypeScript for type safety and easier maintenance.

Skills

Languages: Python, Java, C/C++, Javascript, Bash
Tools: Selenium, Flask, SQLite
CI/CD: Git, Gerrit, Jenkins