

# Roy (Zhexuan) Li

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## EDUCATION

**University of Toronto - St.George**

Toronto, Canada

*Honours Bachelor of Science - Specialist in Computer Science*

*June 2024*

- **Relevant Courses with high GPA:** Data Structure and Algorithm, Computer Networks, Database System, Compiler and Interpreter, Artificial Intelligence, Operating System.

## EXPERIENCE

**Veeva Systems**

*QA Engineer*

*May 2022 - Aug. 2023*

- Developed **over 100 automation tests** using **Java Cucumber**, enhanced test coverage and software quality.
- Automated daily triaged runs using **Kibana**, ensuring performance and saving significant work time by **20%**.
- Work within an **Agile/Scrum** environment, engaging in iterative development and continuous improvement.
- Played a key role in managing product issues, conducting regression testing, and facilitating **Jenkins** deployments.

**Renxin Technology Group**

*Software Engineer*

*Mar. 2021 - Jul. 2021*

- Developed features for retrieving daily updated data using knowledge of **RESTful API** and **selenium**.
- Developed **Python** scripts to streamline daily workflow, saving approximately **4 hours per day**.
- Manipulated and processed application data within databases using **SQL** and **Python** scripts.

## TECHNICAL SKILLS

**Programming Languages:** C/C++, Python, Java, SQL, C#, TypeScript, HTML, CSS

**Frameworks:** React, SpringBoot, PostgreSQL, Cucumber, Node.js, MongoDB, Selenium, Maven

**Platform/Tools:** Linux, Git, Gitlab, Jira, AWS EC2, VS Code

**Other Skills:** OOP, Design Patterns, Software Development Cycle, RESTful API

## PROJECTS

**Mock Database System**

*Jan. 2024 - Apr. 2024*

- Developed a key-value stored database system with **LSM Tree** storage structure with **C++**.
- Using cutting-edge technologies such as Buffer Pool, Bloom Filter, and B-tree structure, optimized query cost.
- Test and analyse the performances with Python, **Shell** and **Matplotlib**, make the result visible and significant.

**Frontier College Reading App**

*Jan. 2022 - May. 2022*

- Developed backend features for Frontier College's reading app in a team using **Java**.
- Using **Spring Boot** framework and **JDBC** driver to build the interaction between frontend and backend.
- Built and tested interactions between frontend and backend using **RESTful API** and **Postman**.
- Using **AWS EC2** instance for backend deployment.

**Learning Path Website**

*Sept. 2021 - Dec. 2021*

- Designed and Developed a website that provides multiple learning paths with **React** and **Node.js** for server side.
- Stored and manipulated client data using **MongoDB**, ensuring data safety and reliability through robust database management practices.

**Conference System Software**

*Sept. 2020 - Dec. 2020*

- Designed and developed a conference system using **Java** and **JavaFX**.
- Functionalities include dashboard, sign-up system, messaging, and event management.
- Mainly responsible for the **entity layer** implementation using **OOP** and **design patterns**.

## CERTIFICATES

- Certificate of Distinction in Canadian Senior Mathematics Contest in year or 2017