

# Victor Zhang

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## EDUCATION

### University of British Columbia

*Expected: December 2024*

*Bachelor of Science, Computer Science and; GPA: 91/100*

Vancouver, BC, Canada

- Relevant Courses: Data Structures, Distributed Systems, Networks, Machine Learning

### Simon Fraser University

*April 2018*

*Master of Science | Bachelor of Commerce, Mathematical Finance; GPA: 3.9/4.3*

Vancouver, BC, Canada

## EXPERIENCE

### LinkedIn

*May 2023 - August 2023*

*Software Engineer Intern*

Sunnyvale, CA, USA

- Architected and implemented support for new data types within the distributed storage system to process near online and offline data using Java and Spark in Kafka and Samza.
- Enhanced the command line interface to integrate and automate manual steps for supporting multi-tier scale applications in Python.
- Integrated asynchronous techniques into the data processing platform, which enabled concurrent multi-threaded execution within individual tasks and improved processing efficiency by 40%.

### SAP

*May 2022 - December 2022*

*Software Developer Intern*

Vancouver, BC, Canada

- Enhanced existing features for SAP Analytics Cloud, contributing over 3,000 lines of code using TypeScript, React and CSS to deliver an improved user experience.
- Diagnosed and fixed over 50 bugs from clients by working on a codebase with debugging tools.
- Developed and maintained automation testing with Jasmine frameworks, achieving over 95% coverage.
- Adopted agile software development principles utilizing tools such as GitHub, JIRA and Confluence.

### Numerix - FinancialCAD

*April 2018 - November 2020*

*Quantitative Developer*

Vancouver, BC, Canada

- Designed and developed cloud-based quantitative solutions using Python with object-oriented design, contributing 10,000+ lines of code.
- Built 10+ custom microservices based on clients' requirements with RESTful API and FINCAD SDK.
- Optimized and updated more than 300 unit, regression, and integration tests to validate new features performed as designed; test coverage over 96%.
- Collaborated with the R&D team to write 10+ automation scripts to improve work efficiency by 90%.

## PROJECTS

### Job Tracker | JavaScript, React, Express.js, MongoDB, Mongoose, HTML/CSS | [\[Website\]](#)

*June 2022*

- Constructed a job tracker web app to help users manage and track job search processes and view stats of applications.
- Built the backend server and implemented multiple RESTful APIs for data queries.
- Stored data on MongoDB Atlas and applied JWT for user authentication and authorization.

### Image Compressor | C++

*January 2022*

- Developed a desktop app to convert, store, and compress images using binary trees.
- Implemented algorithms to process and transform image pixels to output compressed images.

## SKILLS

**Languages:** Python, Java, C, C++, JavaScript, TypeScript, SQL, HTML, CSS, R, Matlab

**Frameworks:** React, Express.js, Node.js, Samza, Flask, Django, Spring, JUnit, Pytest

**Others:** Spark, Kafka, NumPy, Pandas, Matplotlib, Sklearn, PyTorch, Git, Linux, AWS, Jira, Confluence