

Victor Sheng Zhang

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EDUCATION

University of British Columbia, Vancouver, BC

Expected: Dec 2023

Bachelor of Science, Computer Science & Mathematics; GPA: 92/100

Simon Fraser University, Vancouver, BC

Dec 2017

Master of Science, Quantitative Finance; GPA: 3.9/4.3

Bachelor of Commerce, Finance; GPA: 3.3/4.3

EXPERIENCE

Software Developer Intern

May 2022 - Present

SAP Vancouver, BC

- Improve existing filtering, bookmarking and PDF exporting features for SAP Analytics Cloud using JavaScript, Json, jsPDF and CSS
- Develop, maintain and execute testing for projects in different test frameworks, including Jasmine and JUnit, with over 90% coverage
- Conduct high-priority bug fixes utilizing Javascript to deliver an improved product to clients
- Adopt agile software development principles by collaborating in a team setting and using online tools such as Gerrit, GitHub, JIRA and Confluence to organize workflow

Quantitative Developer

Sep 2017 - Nov 2020

FINCAD Vancouver, BC

- Contributed 10,000+ lines of code to the design and development of cloud-based quantitative solutions utilizing Python object-oriented programming
- Built 10+ custom microservices based on clients' requirements using RESTful API and FINCAD SDK
- Optimized and updated more than 100 unit tests, regression tests, and integration tests to validate new features performed as designed utilizing the pytest framework; test coverage > 95%
- Collaborated with the R&D team to develop 10+ automation scripts to improve work efficiency by 90%

PROJECTS

Roommate Finder Website | Python, Flask, HTML, CSS, PostgreSQL, OAuth2

Jan 2022

- Architected and developed a Flask-driven website with HTML and CSS for users to find roommates
- Integrated Google credentials API to handle user authentication and authorization using OAuth 2.0
- Managed backend user data dynamically with Python and PostgreSQL database

University Yelp, Restaurants Review | Java, JSON

Oct 2021

- Designed and created a Yelp style application that supports adding new restaurants, viewing restaurants' information, rating, posting reviews, and editing previous submissions
- Built file handling I/O system with JSON library and graphical user interface with Java Swing framework

Git Lite, Version Control System | Java

Aug 2021

- Developed a version control system similar to Git with a commit tree that expands the control system with independent file directories and contents
- Utilized serialization and SHA-1 to store and encode user-defined classes and files

SKILLS

Programming Languages: Python, Java, C, C++, JavaScript, CSS, HTML, R, MATLAB, SQL

Frameworks: Django, React, Flask, Pytest, Junit, Swing, Numpy, Pandas

Tools: PostgreSQL, MongoDB, RESTful API, Jenkins, Jira, Confluence, Git, GitHub, SVN, AWS, Linux

Concepts: Data Structures, Algorithms, Optimization, Object-oriented Programming, Machine Learning