

Sunny Nie

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Coquitlam, British Columbia, Canada | [personal portfolio](#)

EDUCATION

University of British Columbia

Bachelor of Science in Computer Science

- Dean's Honour List with 90.4% cumulative average

Vancouver, BC

2020 – 2025

EXPERIENCE

Software Developer co-op

Clio

Sept 2022 – Expected Apr 2023

Burnaby, BC (remote)

- Developed and maintained a Ruby on Rails backend application with React and AngularJS frontend features
- Updated and integrated RESTful APIs for new features in the Outlook add-in and application frontend
- Created an admin report to find hundreds of erroneous records and built a scheduled admin job using ApplicationJob to resolve them and future problematic records
- Wrote and maintained tests with RSpec for all backend changes and Jasmine and Jest for frontend changes
- Engaged in documentation writing, led code-reviews and QA testing, and experienced in Agile development methodologies including Scrum and retrospectives

Software Developer

Jimu Labs

June 2022 – Aug 2022

Victoria, BC (remote)

- Developed components using TypeScript and React for an enterprise dashboard application
- Implemented React hooks for RESTful API functionality with the use of Insomnia to allow adding, deleting, and mutating data from the front-end via forms and modals
- Translated Figma UI diagrams to scalable React components using TailwindCSS while accounting for dark themes and different viewports to create a modern and responsive application
- Extensively used git for version control by regularly pushed code to Github and maintaining and merging branches

PERSONAL PROJECTS

Personal Portfolio | *JavaScript, React, Next.js, Chakra UI, framer-motion*

May 2022 – June 2022

- Built a multi-page React and Next.js web application to host my projects and resume
- Enhanced user experience using Chakra UI for format and design and used framer-motion for subtle animations in new page renderings

Trading Algorithms | *Python, Jupyter, Pandas, NumPy, Matplotlib*

July 2021 – Apr 2022

- Researched possible trading strategies using NumPy, Pandas, and Matplotlib on JupyterLab to create algorithms that allow for efficient backtesting and to create informative data visualizations
- Increased execution speeds of batch orders by 75% through the use of thread pools to execute high-leverage future trades at the best prices

ACADEMIC PROJECTS

UBC Dataset Query Application | *TypeScript, JavaScript, React*

Jan 2022 – Apr 2022

- Collaborated with a team of 3 to build a full-stack querying engine in TypeScript with the use of asynchronous promise-based functions to aggregate metadata on UBC courses and buildings from a complex query syntax
- Maintained unit tests using mocha (chai) through Agile methodologies with regular sprints

TECHNICAL SKILLS

Languages: Python, TypeScript, Ruby, Java
Frameworks: React, Rails, TailwindCSS, JUnit

Developer Tools: Git, VS Code, IntelliJ
Libraries: Pandas, NumPy, Matplotlib