Jason Zheng

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RELEVANT EXPERIENCE

Software Engineer Intern   Jan 2025 – Present
NETINT Technologies   *Burnaby, BC*
- Developed 15+ unique python test scripts for customers like Netflix, Disney, TikTok, and Apple to simulate custom workflows and enviorments.
- Worked on debugging in-house transcoding APIs that interface with industry standard video tools like FFmpeg and GStreamer.
- Implemented Gitlab pipelins, Jenkins projects, and Jira APIs to automate and streamline test execution.
- Integrated a SQL database into scripts to automate performance and test tracking.

Undergraduate Teaching Assistant   Sep 2024 – Dec 2024
University of British Columbia   *Vancouver, BC*
- Teaching assistant for CPSC 110 and MATH 180
- Led 30+ students to complete labs, taught course material, and marked problem sets/assignment

EDUCATION

University of British Columbia   Expected April 2027
Bachelor of Science in Computer Science   *GPA: 94.3%*
- Y.P. Heung Foundation Award in Science (Valued at $5000, 1 of 6 recipients in entire faculty)
- 2 x Trek Excellence Scholarship (Top 5% of faculty & year)
- Charles and Jane Banks Scholarship

PROJECTS

Post-Trade Dashboard | *JavaScript, React, Tailwind CSS, Python*   June 2025 – Present
- Developing a post-trade dashboard to graph returns and visualize portfolio re-balancing based on quant views for UBC Trading Group.
- Worked on implementing the Black-Litterman Model delivered through a custom API endpoint with granular control of start/end dates and re-balancing frequency.
- Utilized React to create a responsive web interface with a polished and interactive UI designed in Tailwind CSS and Figma.

ClearMyFridge (Hackathon) | *Python, Flask, Render, PostgreSQL, Unity, OpenAI API, C#*   January 2025
- Developed a mobile app for nwHacks 2025 to leverage fine-tuned LLMs to clear your fridge.
- Implemented a robust back-end to handle user accounts with PostgreSQL and Flask.
- Fine-tuned 2 ChatGPT LLMs to reject invalid ingredients and generate recipes, using curated training data.
- Designed a seamless front-end with Unity and Figma for streamlined user experiences.

Minimal Type | *Java, JUnit, Java Swing, JSON, GitHub Enterprise*   Jan 2024 – Apr 2024
- Developed a minimal typing environment to improve typing speed and accuracy, applying OOP principals in Java for a scalable, maintainable codebase.
- Employed Test-Driven Development with JUnit, achieving a 40% reduction of bugs and enhancing reliability.
- Implemented data persistence with JSON served in a minimal GUI designed with Java Swing

VOLUNTEER EXPERIENCE

Quantitative Researcher   June 2025 – Present
UBC Trading Group   *Vancouver, BC*

Front-End Developer   May 2025 – Present
UBC Envision   *Vancouver, BC*

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C++, HTML/CSS, C#, R
Frameworks: React, Node.js, JUnit, Next.js, Unity, Tailwind CSS, REST APIs, mySQL
Developer Tools: Git, GitHub, VS Code, Visual Studio, IntelliJ, NetBeans, Figma, AWS (Amplify, Route 53)
Libraries: NumPy, Matplotlib, Tidyverse, TextBlob