

Clara He

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EDUCATION

University of British Columbia

Bachelor's, Combined Major in Computer Science and Mathematics

Sep. 2022 - May 2027

GPA: 3.6

WORK EXPERIENCE

Website Developer

UBC Anime Club

Aug. 2024 - Mar. 2025

Vancouver, BC

- Worked in a team of 5 to develop UBC Anime Club's website using html, JavaScript, React.js, CSS and TailWind
- Used Jira to manage tasks and stayed organized using git branches and source control

Undergraduate Teaching Assistant

University of British Columbia

May 2023 - Dec. 2023

Vancouver, BC

- Provided detailed and constructive feedback to students for assignments, lab work and tests
- Explained concepts clearly and concisely using examples, answering any followup questions from students
- Was rated helpful by over 85% of students

Sales Associate

Fossil Group Inc.

Jul. 2022 - May 2023

Burnaby, BC

- Worked in a team to maximize sales while maintaining a positive and welcoming shopping environment
- Responded promptly to feedback from managers to improve customer interaction skills

PROJECTS

UBC Section Insights

Jan. - Apr. 2025

- Developed a web app to query JSON data and display insights using Chart.js
- Practiced Test-Driven Development (TDD) by creating 50+ unit and integration tests before implementing

Town of Salem 2 Simulator

Jun. 2024 - Present

- Developed a Python-based simulator for the social deduction game to randomly generate a sequence of events
- Modeled 10+ unique roles according to object-oriented programming (OOP) principles

Elections App

Sep. - Nov. 2024

- Built a full-stack election info app, integrating SQL database using Fetch APIs
- Developed a responsive frontend with dynamic dropdowns and navigational components
- Implemented features for voter registration, balloting casting, and result viewing

Music Player Simulator

Sep. - Dec. 2023

- Developed an app in Java that allows the user to create multiple named playlists and add songs to a favourites list
- Created a multi-window GUI using Java Swing and implemented data persistence using JSON objects
- Tested and debugged backend functionality using JUnit

TECHNICAL SKILLS

Languages: Java, Python, C/C++, HTML/CSS, JavaScript, SQL, TypeScript

Libraries & Frameworks: Chart.js, React.js, Swing, JUnit, NumPy, Tailwind

Tools: Git, Adobe Photoshop, Microsoft Office, JIRA, Figma, Excel