


Elaine Zhao

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Skills

- Languages: C++, C, Java, Python, HTML, CSS, JavaScript, Bash
- Tools and Frameworks: Linux, React, Jekyll, SQL, Git, Jira

Education

University of Waterloo

Sept. 2022 – Present

Bachelor of Computer Science

Waterloo, ON

Cumulative GPA: 81%

Awards: President's Scholarship of Distinction (May 2022), Term Distinction (Fall 2022, Winter 2023)

Clubs and Activities: UW Debate Society, Women in Computer Science, Women in Math

Relevant Coursework: Data Structures and Data Management, Foundations of Sequential Programs, Computer Organization and Design, Object-Oriented Software Development

Experience

IT Assistant

May 2024 - Aug. 2024

University of Waterloo, School of Pharmacy

Waterloo, ON

- Implemented and managed Jira workflows, identifying inefficiencies in existing processes and creating automated solutions leading to a 50% increase in efficiency in administrative tasks
- Successfully led and maintained IT operations during the manager's month-long leave of absence, ensuring efficient troubleshooting and resolution of issues with a 100% customer satisfaction rate

Front-End Developer

Jun. 2023 - Aug. 2023

CentML

Remote Work from Toronto, ON

- Revitalized the customer-facing marketing website, centml.ai, employing the robust framework of **Jekyll**, as well as front-end skills in **HTML, CSS and JavaScript**
- Implemented the **Segment.io** API to track real-time user engagement analytics to send to third-party applications

Projects

Directed Reading Program, Women in Mathematics

May 2024 - Present

- Analyzed and explored Tyshkevich Graph Decompositions, a form of unique graph decomposition, by reading papers and solving problems
- Accepted an offer to continue collaborating with the team in the Fall 2024 term to conduct original research in Graph Decompositions as part of the Women in Mathematics Directed Research Program

Chess | C++



- Developed a command-line chess game using **C++** using Object-Oriented Programming principles with an integrated graphics display
- Implemented two-player functionality and one-player game modes against three different algorithms

Personal Website | HTML, CSS, JavaScript



- Designed and built a personal portfolio website using **HTML, CSS and JavaScript**

Extracurriculars

Vice-President Internal, Training

Jan. 2023 - Present

University of Waterloo Debate Society

Waterloo, ON

- Coordinated general meetings, presenting lessons about public speaking and communication skills and content to over 30 members weekly, collaborating with a team of 10+ executive members
- Spearheaded fundraising initiatives, raising over \$6,000 over two terms to fund travel and tournament expenses