

Rayton Chen

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Education

University of Waterloo (Computer Science)

Sept 2023 - Present

- Recipient of René Descartes National Scholarship and President's Scholarship of Distinction, 4.0 GPA

Experience

Amazon.com, Inc.

May 2024 – Aug 2024

Software Development Engineering Intern

Vancouver, BC

- Designing a new configuration data model and migrating a service managing 7000+ fulfillment centers
- Designing and developing a robust configuration management application to save 160+ hours annually
- Implementing a scheduling system for planned configuration changes to enhance workflow efficiency

Leadership

MasseyHacks

Sept 2022 – June 2023

Co-director (23) • Tech Member (22)

Windsor, ON

- Coordinated event details with administration to prepare for 200+ attendees (80% increase)
- Lead the Finance team to secure \$12,000 in funding, exceeding the previous year's total by 25%
- Directed communication and negotiation to purchase 600+ food servings and \$3000 of merchandise
- Lead the Technology team to develop a modern, responsive event website and verification system

Vincent Massey Computer Science Club

Sept 2021 – June 2023

Logistics & Contest Organizer (22, 23) • Senior Stream Teacher (22)

Windsor, ON

- Organized 7 programming contests with 30+ challenges to train and assess 40+ members for competitions
- Taught algorithms and data structures and their applications to 20+ seniors for 20+ total hours in C++

CodeReach

Oct 2022 – June 2023

Co-director

Windsor, ON

- Directed logistics for a 5-month program that teaches web development to 60 middle school students
- Designed the program curriculum and course projects (HTML, CSS, JavaScript) with the instructors
- Collaborated with Tech team to develop promotional platforms and set up communication systems

Skills & Technologies

- **Languages:** Java, C/C++, Python, C#, JavaScript, TypeScript, HTML, CSS, Bash
- **Frameworks & Tools:** Git, Docker, AWS, Spring, ASP.NET Core, Angular, Azure, SQLite, Node.js

Achievements

- USA Computing Olympiad — Gold Division
- Canadian Computing Competition — National Honour Roll (2020, 2021)
- American Invitational Mathematics Exam — Qualifier (2021, 2022)