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
· Relevant Courses: Designing Functional Programs, Elementary Algorithm Design and Data Abstraction

Experience

MasseyHacks   *Sept 2022 – June 2023*
Co-director (23) • Tech Member (22)
· 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

CodeReach   *Oct 2022 – June 2023*
Co-director
· 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 organizer to develop promotional platforms and set up communication systems

Vincent Massey Computer Science Club   *Sept 2021 – June 2023*
Logistics & Contest Organizer (22, 23) • Senior Stream Teacher (22)
· Organized 7 programming contests to prepare 40+ club members for regional and national competitions
· Created and curated 30+ challenges using Python & C++ to train and assess coding & problem-solving
· Taught algorithms and data structures and their applications to 20+ seniors for 20+ total hours in C++

Skills & Technologies

· **Languages**: C++, Python, C#, JavaScript, TypeScript, Java, HTML, CSS
· **Frameworks & Tools**: Git, Docker, ASP.NET Core, Angular, Azure, SQLite, Node, Bootstrap

Achievements

· Amazon Future Engineer Scholarship — 1 of 10 Canadian recipients
· USA Computing Olympiad — Gold Division
· Canadian Computing Competition — National Honour Roll (2020, 2021)
· American Invitational Mathematics Exam — Qualifier (2021, 2022)