

Raymond Li

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EDUCATION

University of Waterloo

Bachelor of Mathematics

September 2024 - Present

Waterloo, ON

Ontario Science Centre Science School Program

Student Host

February 2024 - June 2024

North York, ON

TECHNICAL SKILLS

Languages: Python, C, SQL, JavaScript, HTML/CSS

Frameworks: React, Node.js, Express.js

Developer Tools: Git, Github, VS Code, PyCharm

Languages: English (native), French (Certificate in French Immersion, DELF B2), Mandarin Chinese (Spoken only)

EXPERIENCE

York Mills C.I. Tech Crew

Executive

Sep. 2022 - June 2024

North York, ON

- Operated soundboards and lighting rigs for 20+ live events—including assemblies, musicals, talent shows, and fundraisers—ensuring smooth, professional-grade performances under high-pressure conditions.
- Supervised a 2-person soundboard team and collaborated with a 3-member lighting team, coordinating across a 25+ person team including spotlight and ground crew to deliver synchronized event production.
- Mentored new recruits in technical operations, troubleshooting, and safety protocols, fostering a collaborative team environment that improved communication, boosted crew efficiency, and enhanced event execution.

Ontario Science Centre (OSC)

Student Host

February 2024 - June 2024

North York, ON

- Prototyped and presented a hands-on science exhibit to guests; analyzed interactions, gathered feedback, and refined the design—resulting in a 50% increase in engagement and 60% improvement in retention.
- Designed and delivered interactive science storytelling sessions for first-grade students using hand puppets and props, engaging over 40 children across 2 iterations to foster early scientific curiosity and understanding.
- Led over 10 hours of puzzle-based science interactions, guiding an average of 20 visitors per hour from diverse ages and backgrounds through hands-on challenges to enhance creativity and problem-solving skills.
- Supported OSC staff with 1–2 hour STEM workshops for Grades 5–12 during school field trips, assisting students with hands-on activities across topics like physics, biology, engineering, and space exploration

University of Waterloo Badminton Club (UWBC)

Junior Director

Jan. 2025 – Present

Waterloo, ON

- Facilitated smooth club operations by setting up courts and assisting with take-down before and after sessions, working within a 3-person team to ensure timely starts and efficient transitions for 70+ participants per session.
- Managed rotation boards during high-traffic club sessions, coordinating 70+ players across 8 courts and streamlining session flow to enhance member satisfaction on consistently crowded nights.
- Collaborated with senior executives to brainstorm, organize, and promote internal tournaments and social events, providing logistical support to increase participation and strengthen engagement across the 375-member club.
- Member of University of Waterloo Varsity Badminton Team; train 8+ hours weekly and contributed to 2nd place finishes at both the OUA Championship and University Nationals, competing against top teams across Canada.

PROJECTS

Wacky React Calculator | *HTML/CSS, Javascript, React*

- Built a web-based calculator using **React**, **HTML**, **CSS** and **JavaScript** with creative logic and UI design.
- Integrated third-party libraries to add advanced features and enhance interactivity beyond basic operations.
- Customized UI, features, and structure based on a tutorial, adding original design elements for a unique twist.

tl_strings | *HTML/CSS, Javascript, MERN (MongoDB, Express.js, React.js, Node.js)*

- Building a full-stack app to connect badminton players with local stringers via a service request form.
- Implementing form handling in **React** and backend routes in **Express**; integrating **MongoDB** for data storage.
- Developing and testing the app in an **Ubuntu** environment running on VirtualBox to simulate deployment.
- Planning to add **2FA** and payment processing to enhance user security and functionality.