

# Brianna Xiao

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## EDUCATION

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### Honours Specialization in Computer Science, Western University

London, ON

#### Achievements:

September 2024 – May 2027

- Finalist, 5th speaker at University of Pennsylvania World Schools Debate Championship, Semi-Finalist and ranked 7/100+ Teams at Queen's University High School Debate Tournament 2023, Semi-Finalists at Waterloo High School Debate Tournament 2022
- Group 2 Honor Roll for the Waterloo Fryer math contest, Group 3 Honor Roll at the Waterloo Canadian International Math Contest, Group 3 Honor Roll and school champion for the Waterloo Cayley math contests
- SheHacks Finalist and Best Beginner Hacks

## EXPERIENCE

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### Western Founders Network - School Club

London, ON

#### *Director of Projects*

October 2024 – Present

- Worked in full-stack development projects with HTML, CSS, JavaScript, and Java, emphasizing entrepreneurial problem solving to create user-friendly, dynamic web applications.
- Fostered collaboration across a diverse team to develop responsive designs that address real-world problems, aligning with business needs and innovative solutions.

### Western Computer Science Undergrad Society - School Academic Club

London, ON

#### *Director of Events*

October 2024 – Present

- Spearheaded planning and execution of club-wide events, focusing on fostering networking opportunities for students.
- Managed budgets, schedules, and resources for events, ensuring high engagement amongst club members.

### STR Debate Club - School Academic Club

Thornhill, ON

#### *President*

September 2023 – June 2024

- Led a team of 150+ members and 13 executives, fostering leadership and teamwork.
- Managed logistics for regional and national tournaments, ensuring smooth operations and participant success.
- Collaboratively Organized both the 2023 and 2024 United Nations York Catholic Assembly with 300+ competitors.

### Toronto Global Spotlight - Non-Profit Organization

Thornhill, ON

#### *Media Manager/Outreach*

September 2023 – June 2024

- Organized a large-scale fundraising tournament that raised \$1,725 to support Toronto refugee centers, showcasing leadership and entrepreneurial spirit in non-profit initiatives.
- Collaborated with community leaders and school representatives to develop strategic partnerships and promote ongoing initiatives focused on tackling systemic injustices.

## Projects

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### Procrastination Buddy Chrome Extension – Python, React, Node, JavaScript, CSS, HTML, Socket.

- Integrated a webcam detection system to trigger visual changes when multiple people are detected in the background with a **Python** backend and **CSS, HTML** front end.
- Implemented **Socket.io** as an API to seamlessly connect the frontend and backend, supporting a live chat box and small interactive games.

### Dance Game – Python, Mediapipe, Metadata, ReactNative, Node, JavaScript, CSS, HTML

- Developed an immersive motion-based dance game that tracks player movements and matches them to choreographed routines in real time using Python and **Mediapipe's pose estimation capabilities**.
- Integrated **metadata** tagging for precise motion analysis and scoring, ensuring accurate alignment between user movements and predefined dance sequences.
- Using React and CSS to provide live visual feedback and performance analytics enhancing gaming experience.

## SKILLS

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Languages: Fluent/Working Proficiency in English and Mandarin; Working Proficiency in French

Technical Skills: Full-stack development (HTML, CSS, JavaScript), Graphic Design (Figma, Canva, Adobe), Python, Java

Interests: Debate, Model United Nations, Sketching, Violin, Dance, Skating