

# Cristian Moretto

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## EDUCATION

### University of Waterloo

*Bachelor of Computer Science, 4.0 GPA (1A Term)*

Waterloo, ON

*Sept. 2023 – May 2028*

### Cardinal Carter CHS

*IB Diploma, OSSD, 97.5% Top 6 Average*

Aurora, ON

*Sept. 2019 – June 2023*

## PROFESSIONAL EXPERIENCE

### Swim Instructor & Assistant Lifeguard

*Splashville*

July 2023 – Sep. 2023

*Vaughan, ON*

- Delivered individual and group swim lessons to students from ages 2-30 alongside a team of 14 instructors
- Maintained open communication with parents, supervisors, and coworkers
- Adapted a swim curriculum and facilitated student growth through encouragement and technical instruction

### Swim & Lifesaving Instructor

*Azure Swim School (Personal Business)*

July 2022 – Sep. 2023

*Nobleton, ON*

- Organized and delivered individualized and small-group swim lessons in 7 clients' backyard pools
- Communicated professionally with clients to schedule lessons and manage payments
- Inspired students' passions for water safety while maintaining an engaging and supportive learning environment

### Swim Instructor & Deck Supervisor

*KC Swim School*

July 2021 – Aug. 2022

*Caledon, ON*

- Taught private and semi-private swim lessons, and supervised pool activities along with one other instructor
- Adapted to numerous teaching environments and enforced workplace safety protocols

## RESEARCH & PROJECTS

### IB Computer Science Extended Essay | *Python, TensorFlow, Keras, Matplotlib*

Feb. 2022 – March 2023

- Wrote a 4000 word research essay exploring the effect of convolutional neural network architecture on efficiency
- Referenced 10 academic sources to support findings and communicate concepts to readers
- Trained a multi-layered CNN model to classify images from multiple MNIST datasets with over 99% accuracy
- Visualized model performance using Matplotlib and analyzed the effect of structural variations

## EXTRACURRICULARS

### First-Year Representative

*The Mathematics Society at the University of Waterloo*

Oct. 2023 – present

*Waterloo, ON*

- Consulted first-year Math faculty students and represented their opinions at council meetings
- Proposed and executed study session events to foster student engagement and connections, regularly attracting over 100 students
- Promoted council events and initiatives on social media, and demonstrated transparency through written reports

### Event Organizer

*Cardinal Carter CHS Student Council, Prom Committee*

Sep. 2022 – June 2023

*Aurora, ON*

- Planned and executed school-wide events, including semi-formal and prom
- Used Microsoft Excel to manage event logistics, including ticket sales and the information of over 450 students
- Communicated frequently with students, teachers, and administration to ensure events ran smoothly

### Communications Chair

*Carter Blue (Mental Health Awareness Club)*

Sep. 2021 – June 2023

*Aurora, ON*

- Ran the club's social media accounts and promoted events to the student body, making over 20 posts
- Collaborated with other club executives to create social media visuals and advertising materials
- Liaised with other student organizations to ensure inclusivity and maximize event attendance

## SKILLS

**Languages & Technologies:** JavaScript, Python, Racket, HTML/CSS, LaTeX, Keras, Git, VS Code, Linux

**Interpersonal Skills:** Professional Communication, Public Speaking, Team Leadership, Time Management

**Problem-Solving Skills:** Critical Thinking, Adaptability, Attention to Detail, Risk-Taking, Research