

Cristian Moretto

☎ 647-617-0415 | ✉ cmoretto@uwaterloo.ca | [in linkedin.com/in/cristian-moretto](https://www.linkedin.com/in/cristian-moretto) | github.com/criscreates

EDUCATION

University of Waterloo

Sep. 2023 – May 2028

Bachelor of Computer Science, 3.90 GPA (1B Term)

Waterloo, ON

- **Relevant Coursework:** Designing Functional Programs, Elementary Algorithm Design & Data Abstraction, Tools & Techniques for Software Development

PROFESSIONAL EXPERIENCE

Swim Instructor & Assistant Lifeguard

July 2023 – Sep. 2023

Splashville

Vaughan, ON

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

Swim & Lifesaving Instructor

July 2022 – Sep. 2023

Azure Swim School (Personal Business)

Nobleton, ON

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

Swim Instructor & Deck Supervisor

July 2021 – Aug. 2022

KC Swim School

Caledon, ON

- Taught private and semi-private swim lessons, and supervised pool activities along with one other instructor
- Adapted to three 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 clearly communicate abstract concepts to readers
- Trained a multi-layered CNN model to classify images from four MNIST datasets with over 99% accuracy
- Visualized model performance using Matplotlib and analyzed the effect of 64 structural variations

2D Platformer | *Python, PyGame, PyCharm, SDL* 🎮

Oct. 2021 – Dec. 2021

- Developed a 2D platforming game with an engine that supports collision detection, animations, and custom levels
- Implemented a UI, dynamically scrolling camera, responsive handling of player inputs, and invincibility frames

EXTRACURRICULARS

First-Year Representative & S24 Elections Committee Member

Oct. 2023 – present

The Mathematics Society of the University of Waterloo

Waterloo, ON

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

Event Organizer

Sep. 2022 – June 2023

Cardinal Carter CHS Student Council, Prom Committee

Aurora, ON

- Planned and executed 7 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

Sep. 2021 – June 2023

Carter Blue (Mental Health Awareness Club)

Aurora, ON

- Managed the club's social media accounts and promoted events to students, designing & making over 20 posts
- Liaised with 3 other student organizations to ensure inclusivity and maximize event attendance

SKILLS

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

Certifications & Additional Training: Standard First Aid With CPR-C, Swim Instructor, Bronze Cross