

Cristian Moretto

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EDUCATION

University of Waterloo <i>Bachelor of Computer Science, 3.90 GPA (1B Term)</i>	Sep. 2023 – May 2028 Waterloo, ON
Cardinal Carter CHS <i>IB Diploma, OSSD, 97.5% Top 6 Average</i>	Sep. 2019 – June 2023 Aurora, ON

PROFESSIONAL EXPERIENCE

Swim Instructor & Assistant Lifeguard <i>Splashville</i> <ul style="list-style-type: none">Delivered individual and group swim lessons to students from ages 2-30 alongside a team of 14 instructorsMaintained open communication with over 30 parents, supervisors, and coworkersAdapted a swim curriculum and facilitated student growth through encouragement and technical instruction	July 2023 – Sep. 2023 Vaughan, ON
Swim & Lifesaving Instructor <i>Azure Swim School (Personal Business)</i> <ul style="list-style-type: none">Organized and delivered individualized and small-group swim lessons in 7 clients' backyard poolsCommunicated professionally with clients on a daily basis to schedule lessons and manage paymentsInspired students' passions for water safety while maintaining an engaging and supportive learning environment	July 2022 – Sep. 2023 Nobleton, ON
Swim Instructor & Deck Supervisor <i>KC Swim School</i> <ul style="list-style-type: none">Taught private and semi-private swim lessons, and supervised pool activities along with one other instructorAdapted to three teaching environments and enforced workplace safety protocols	July 2021 – Aug. 2022 Caledon, ON

RESEARCH & PROJECTS

IB Computer Science Extended Essay <i>Python, TensorFlow, Keras, Matplotlib</i> 🌀 <ul style="list-style-type: none">Wrote a 4000 word research essay exploring the effect of convolutional neural network architecture on efficiencyReferenced 10 academic sources to support findings and clearly communicate abstract concepts to readersTrained a multi-layered CNN model to classify images from four MNIST datasets with over 99% accuracyVisualized model performance using Matplotlib and analyzed the effect of 64 structural variations	Feb. 2022 – March 2023
2D Platformer <i>Python, PyGame, PyCharm, SDL</i> 🌀 <ul style="list-style-type: none">Developed a 2D platforming game with an engine that supports collision detection, animations, and custom levelsImplemented a UI, dynamically scrolling camera, responsive handling of player inputs, and invincibility frames	Oct. 2021 – Dec. 2021

EXTRACURRICULARS

First-Year Representative & S24 Elections Committee Member <i>The Mathematics Society of the University of Waterloo</i> <ul style="list-style-type: none">Consulted first-year Math faculty students and represented their opinions at council meetingsProposed and executed study sessions to foster student engagement, regularly attracting over 100 studentsPromoted council events and initiatives on social media, and demonstrated transparency through written reports	Oct. 2023 – present Waterloo, ON
Event Organizer <i>Cardinal Carter CHS Student Council, Prom Committee</i> <ul style="list-style-type: none">Planned and executed 7 school-wide events, including semi-formal and promUsed Microsoft Excel to manage event logistics, including ticket sales and the information of over 450 studentsCommunicated frequently with students, teachers, and administration to ensure events ran smoothly	Sep. 2022 – June 2023 Aurora, ON
Communications Chair <i>Carter Blue (Mental Health Awareness Club)</i> <ul style="list-style-type: none">Managed the club's social media accounts and promoted events to students, designing & making over 20 postsLiaised with 3 other student organizations to ensure inclusivity and maximize event attendance	Sep. 2021 – June 2023 Aurora, ON

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