

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

EXPERIENCE

Swim Instructor & Assistant Lifeguard

Splashville

July 2023 – Sep. 2023

Vaughan, ON

- Developed a REST API using FastAPI and PostgreSQL to store data from learning management systems
- Developed a full-stack web application using Flask, React, PostgreSQL and Docker to analyze GitHub data
- Explored ways to visualize GitHub collaboration in a classroom setting

Swim & Lifesaving Instructor

Azure Swim School (Personal Business)

July 2022 – Sep. 2023

Nobleton, ON

- Communicate with managers to set up campus computers used on campus
- Assess and troubleshoot computer problems brought by students, faculty and staff
- Maintain upkeep of computers, classroom equipment, and 200 printers across campus

Swim Instructor & Deck Supervisor

KC Swim School

July 2021 – Aug. 2022

Caledon, ON

- Explored methods to generate video game dungeons based off of *The Legend of Zelda*
- Developed a game in Java to test the generated dungeons
- Contributed 50K+ lines of code to an established codebase via Git

RESEARCH & PROJECTS

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

Feb. 2022 – March 2023

- Developed a full-stack web application using with Flask serving a REST API with React as the frontend
- Implemented GitHub OAuth to get data from user's repositories
- Visualized GitHub data to show collaboration
- Used Celery and Redis for asynchronous tasks

EXTRACURRICULARS

First-Year Representative

The Mathematics Society at the University of Waterloo

Oct. 2023 – present

Waterloo, ON

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Grade 12 Representative

Cardinal Carter CHS Student Council

Sept. 2022 – June 2023

Aurora, ON

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- Developed a full-stack web application using Flask, React, PostgreSQL and Docker to analyze GitHub data
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Communications Chair

Carter Blue (Mental Health Awareness Club)

Sept. 2022 – June 2023

Aurora, ON

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- Developed a full-stack web application using Flask, React, PostgreSQL and Docker to analyze GitHub data
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SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib