

# Cooper MacGregor

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## EDUCATION

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### UNIVERSITY OF GUELPH

*Bachelor of Computing, Honours Major Computer Science*

*September 2020 – present*

- **Deans Honours List:** 1<sup>st</sup> year, 2<sup>nd</sup> Year
- **Relevant Coursework:** Programming, Intermediate Programming, Object-Oriented Programming, Data Structures, Microcomputers, Software System Development & Integration, Operating Systems, Analysis & Design of Computer Algorithms, Discrete Structures in Computing 1 & 2, Calculus, Statistics, Linear Algebra

## ACADEMIC PROJECTS

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### [Software System Development & Integration – CIS2750]

- Learning techniques and tools used in large scale development. Creating a full-stack application with many different technologies. These include C, Python, SQL, HTML, CSS.
- Understand how many different pieces work together to provide an integrated user experience.

### [Object-Oriented Programming – CIS2430]

- Designed an application using Java that prompts the user with a completed GUI and allows them to choose to play to different versions of Tic-Tac-Toe. Allowed users to save unfinished games, load previous games, and track user stats.
- Created a Connect-4 game completely in Java that ran within the terminal. Allowed players to load and save games.
- Learned many important OO topics, such as libraries, collections and containers, inheritance, modularity and the use and creation of objects.

### [Intermediate Programming – CIS2500]

- Designed an application similar to twitter in C, allowed the user to create a unique username and id. They could choose to create tweets, delete tweets, display all tweets, search tweets from a database and saved every tweet to that database.
- Learned and implemented the fundamental concepts of programming, such as pointers, complex data types, important algorithms and learned techniques in problem solving, programming and testing.

## **SUMMARY OF QUALIFICATIONS**

- Have experience with: HTML, CSS, JavaScript, ReactJS, C, Python, Java, SQL.
- Strong Leadership shown through past job experience and the ability to work independently on projects from beginning to end.
- Organize time effectively as a full-time computer science student, balancing coursework and demands with extracurricular sport commitments.
- Currently learning ReactJS outside of school and have built many websites using HTML and CSS.

## **WORK EXPERIENCE**

### **LAWN CARE TEAM MEMBER**

May 2022 – September 2022

Complete Outdoor Services Inc.

- Worked in a small team of 3 to care for client's lawns and gardens. This includes cutting, trimming, mulching, dethatching and cleanup.
- Collaborated with team in a quick and timely manner to resolve issues and adhere to customer requests.
- Heavy focus on customer satisfaction and getting work completed quickly, with top-notch quality.

### **TURF-MAINTENANCE CREW**

May 2021 – November 2021

Victoria Park East Golf

- Maintained the entire golf course. This includes greens, fairways, sandtraps, special features, irrigation and rough/fescue.
- Worked around members of the course and allowed them to play with the best conditions possible.
- Learned to operate all the heavy machinery associated with maintaining the course, such as fairway mowers, trimmers, sandpro, greens mowers, etc.

## **REFERENCES**

Chris Martin, President

COMPLETE OUTDOOR SERVICES Inc.

Email: [chris@completeoutdoorservices.ca](mailto:chris@completeoutdoorservices.ca)

Phone: (705) 424-9319

David DeCorso, GM/Superintendent

Victoria Park Golf Club

Email: [david@victoriaparkgolf.com](mailto:david@victoriaparkgolf.com)

Phone: (519) 821-2211