

Lucas Weber

<https://github.com/LucasAWeber>

Skills

Software: (Proficient): C, Python, Git (Familiar): C++, C#, HTML/CSS, VB **OS:** Windows, macOS, Linux

Interpersonal: Problem Solver, Responsible, Active Listening, Hardworking, Communication

Education

University of Guelph, Average: 85%

September 2021 - April 2026

Bachelor of Computing Honours (Business minor)

Guelph, Ontario

Computer Science Coop

Relevant Courses: Programming, Intermediate Programming, Discrete Structures I, Discrete Structures II, Linear Algebra, Calculus, Marketing

Relevant Projects

Olympics Statistics

2021

- Created a program that displays various Olympics statistics from a given file in **C**
- Parses data from file into an array of structures and calls various functions based on user input

MS Paint

2021

- Created a basic MS Paint clone using **OOP in Python**
- Used various different algorithms for the tools such as **Flood fill** for paint bucket tool and **Bresenham's line algorithm** for the line tool

Path Finding Visualizer

2021

- Created a path finding visualizer using the **A* search algorithm** in **Python**
- Uses **Pygame** to create the interactive window
- Allows the user to draw the starting point, ending point and walls and watch the algorithm do its thing

Work Experience/Volunteering

House Keeping | Heritage Meadows

June 2021 - September 2021

- Patient with the residents
- Actively listened to what they had to say and participated in friendly conversations
- Completed my job effectively and made their living space nicer

Cambridge, Ontario

Altar Serving | St Gregory's parish

July 2014 - March 2020

- Helped my local church roughly every other week for many years
- Assisted in teaching the new Altar server volunteers
- Prepared, organized, and cleaned the space before and after mass

Cambridge, Ontario

Leader In Training | City of Cambridge Summer Camp

July 2018 - August 2018

- Lead various activities for the children
- Spent time playing and talking with the children to get them engaged
- Conflict resolution to difficult situations

Cambridge, Ontario

Awards

Award of Distinction Math/Science/Technology

2021

Technology Department Award

2021

Diocese of Hamilton Student Award

2021

Faithlife Financial Scholarship

2021

Honor Roll Student 90% Average

2017 - 2021

Interests

Video games, Art, Photography, Puzzles, Badminton, Skating, Swimming, Rubik's cube