

Owen Gretzinger

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EDUCATION

Bachelor of Computer Science @ McMaster University

Sep 2021 - Apr 2025

- GPA 4.0 (awarded Provost's Honour Roll Medal)
- Includes courses on Data Structures & Algorithms, Software Development, and Computer Architecture

SKILLS

Programming Languages	<i>Proficient:</i> Python, Java, C#	<i>Intermediary:</i> SQL, HTML, CSS, JavaScript, C, Elm, Haskell
Other Technical Skills	UML, Design Patterns, SDLC, Latex, Unity Game Engine, Git, Linux	
Soft Skills	Work Ethic, Leadership, Time Management, Communication, Teamwork	

WORK EXPERIENCE

Program Leader @ Camp Mini-Yo-We

Jul 2021 - Aug 2021, Jul 2022 - Aug 2022

- Planned and provided fun experiences in the form of games, skits, live music, and general organization of 60-100 children (2022) or 6-12 families (2021) each week which developed leadership, collaboration, and creativity skills.
- Organized and scheduled other staff members assisting with program activities.

Facilities Team Member @ Camp Mini-Yo-We

May 2022 - Jun 2022

- Prepared camp for the summer which included leading various operations that developed responsibility, dependability, and communication skills.

PROJECTS

Education Data for Change: Collaborated with team members to create a website that offers insights into the Ontario education system using HTML, CSS, JavaScript, Python and SQL, originally for a hackathon.

Binary 0101: Designed and implemented a web app that teaches the basics of binary in a visual way for a school project using Elm, while following design principles to give users an intuitive understanding of the content.

Triangle Ball: Wrote 5000+ lines of code creating a game as a personal project using C# and Unity, featuring highly effective bots that were implemented by applying university level calculus.

Server Insights: Developed a discord bot that won first place in a hackathon of 44 participants, which analyzes messages and produces various graphs using Python and Matplotlib.

More: More information and projects can be found on my website (owengretzinger.com).

LEADERSHIP EXPERIENCE

Second Year Representative @ McMaster Computer Science Society

Oct 2022 - Present

- Organize Computer Science Society events with society members and maintain communication between the second year computer science student body and university officials to relay issues and increase student satisfaction.

Youth Leader @ Chartwell Church, Church on the Rock

Sep 2017 - Jun 2021, Sep 2021 - Present

- Leader on team running weekly youth group programs for 10-15 participants aged 10-13 years old which includes running games, planning special events, and mentoring participants.

Game Development Club Leader @ Iroquois Ridge High School

Sep 2020 - Jun 2021

- Directed all aspects of running a game development club of 10-15 members including organizing weekly meetings, teaching members about game development, presenting content, and coordinating with other executives.

Drummer/Keyboardist @ Various Churches

Sep 2015 - Present

- Play drums and keyboard (150+ times to date) which includes collaborating with other musicians and commitment to rehearsals.