


# Owen Gretzinger

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## Education

 Sep 2021 - Apr 2025 (expected)

### Bachelor of Computer Science McMaster University

- **GPA: 4.0/4.0** (awarded Provost's Honour Roll Medal twice for attaining **A+ in all courses to date**).
- Includes courses on data structures & algorithms, software development, and databases.

## Work Experience

 Sep 2023 - Present

### Teaching Assistant McMaster University

- Lead labs for 25+ third year software engineering students, which includes **providing technical expertise on data structures & algorithms** and giving feedback on evaluations (course code SFWRENG 3XB3).

 May 2023 - Aug 2023

### Developer Co-op Arctic Wolf

- Took a primary role in the Agile development of an internal Chrome extension using **JavaScript**, improving incident triage efficiency for 150+ security engineers.
- **Won the quarterly team recognition award** as part of the 6-member "Fast Track" team, standing out among 484 people in R&D for exceptional team performance in terms of speed, quality, and innovation.

 Aug 2023, May 2022 - Aug 2022, Jul 2021 - Aug 2021

### Program Leader Camp Mini-Yo-We

- **Led and managed a team of 26 people** in running a staff appreciation week for **200+** people (2023).
- Planned and delivered quality experiences (games, skits, live music, etc.) to 500+ children (2022) and 60+ families (2021) total, which included organizing other staff members, problem solving to resolve guest issues, and conflict resolution within teams I was part of.

## Skills

**Programming** Python, Typescript, JavaScript, Java, C#, HTML, CSS, SQL, C, Elm, Haskell

**Technologies** Jira, Confluence, UML, Design Patterns, SDLC, AWS, Latex, Unity Game Engine, Git, Linux

**Soft Skills** Work Ethic, Communication, Leadership, Time Management, Teamwork

## Projects

### Personal Website

#### Personal Project

Developed website using React, Tailwind CSS, and Next.js, featuring a responsive design and fluid animations. (Additional projects and project details can be viewed on the website!)

### Jazz Musician Website

#### Personal Project

Designed and built a website for a professional jazz musician using React, Tailwind CSS, Next.js, and Decap CMS.

### Education Data for Change

#### Hackathon & Personal Project

Collaborated with team members to create a website that offers insights into the Ontario education system using HTML, CSS, JavaScript, Python and SQL.

### Binary0101

#### School Project

Designed and implemented a web app using Elm that teaches the basics of binary while following design principles.

### Server Insights

#### Hackathon & Personal Project

Achieved **first place** in a hackathon of 44 participants by developing a discord bot which analyzes messages and produces various graphs using Python and Matplotlib.

## Leadership Experience

 Oct 2022 - Present

### Year Representative

#### McMaster Computer Science Society

- Facilitate effective communication between the computer science student body and university officials, increasing student satisfaction.
- Collaborate with society members to plan and execute engaging events.

 Sep 2021 - Present, Sep 2017 - Jun 2021

### Youth Leader

#### Church on the Rock, Chartwell Church

- Leader on team running weekly youth programs for 20+ participants which includes running games, planning special events, and mentoring participants.