Owen Gretzinger

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Highlights of Qualification

- Third-year computer science student proficient in Python and React, with previous technical internship experience.
- Strong leadership skills gained through roles as a teaching assistant, camp program leader, and involvement in student societies and youth programs.
- Eagerness to learn and commitment to follow through demonstrated by completion of personal projects and top academic performance.

Education

McMaster University
Sep 2021 - Apr 2025
Bachelor of Computer Science

- GPA: 4.0/4.0 (awarded Provost's Honour Roll Medal twice for attaining an A+ in all courses to date).
- Gained experience related to databases, algorithms, and software design through course work.

Work Experience

Teaching Assistant
Sep 2023 - Present
McMaster University

- Leading labs for 40 third-year software engineering students, which includes providing technical expertise on data structures and algorithms.

Developer Co-op
May 2023 - Aug 2023
Arctic Wolf

- Played a leading role in the development of an internal Chrome extension using JavaScript, improving incident triage efficiency for 150+ security analysts.
- Implemented Webpack and worked with NodeJS extensively, resulting in reduced development time and more efficient, bundled code.
- Integrated FullStory (a digital experience platform) using its REST API to acquire usage analytics, improving development prioritization.
- Redesigned the Chrome extension's UI.
- Resolved 10 security vulnerabilities (XSS, ReDoS, SSRF).

Program Leader
May 2022 - Aug 2022
Camp Mini-Yo-We

- Created quality experiences for 500 children total which included working with a team, organizing other staff, and using creativity to adapt to unexpected situations.
- Led and managed a team of 26 people in running a staff appreciation week for 202 people (August 2023).

Projects

🔗 Personal Website
Personal Project
Developed a website using React that demonstrates meticulous attention to detail and showcases additional projects.

🔗 Simple Terms
Hackathon Project
Created a Chrome extension that uses AI to summarize terms and conditions. Made with two other students for Hack the North 2023, using OpenAI's API and React.

🔗 Jazz Musician Website
Personal Project
Designed and built a website for a professional jazz musician using React, including a Content Management System (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.

Skills

Languages	**Python**, **TypeScript**, **JavaScript**, Java, Haskell, C#, HTML, CSS, SQL, C++, C, Elm
Tools	**React**, **NodeJS**, **Git**, NextJS, Jira, Confluence, Linux, Figma
Methodologies	Agile Development, Design Patterns, Software Development Life Cycle (SDLC), Unified Modeling Language (UML)

Leadership Experience

Year Representative
Oct 2022 - Present
McMaster Computer Science Society

- Communicate with the third-year computer science body and university officials to resolve issues.
- Collaborate with society members to plan and execute engaging events.

Youth Leader
Sep 2021 - Present
Church on the Rock

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