

LAYTON LIN

☎ 416-706-6824 ✉ layton.lin24@gmail.com [in linkedin.com/in/laytonlin](https://www.linkedin.com/in/laytonlin) github.com/LaytonL24

EDUCATION

McMaster University

Bachelor of Science in Computer Science (Co-op)

Sep. 2025 – Apr. 2030 (Expected)

Hamilton, Ontario

Port Credit Secondary School

Top 6 Average: 95%

Sep. 2021 – June 2025

Mississauga, Ontario

- Varsity Teams: Swimming, Tennis, Cross Country, Hockey (Captain/MVP)
- Honors: 2025 ROPSSAA Champions, Consistent Honor Roll Achievement

WORK EXPERIENCE AND LEADERSHIP

UNICEF Toronto

Summer Intern

Aug 2024

Toronto, Ontario

- Collaborated with cross-functional teams to modernize database management and data organization initiatives.
- Optimized administrative efficiency by auditing digital file systems and maintaining operational workflows.
- Analyzed project data to compile detailed reports for management, identifying key insights for future campaigns.
- Utilized and modified Python scripts to automate repetitive filing tasks and data validation procedures.

Mississauga Terriers AA

Hockey Player / Team Leader

Sep. 2023 – May 2025

Mississauga, Ontario

- Demonstrated elite-level teamwork and discipline in a high-performance AA environment following 7 years of AAA experience.
- Leveraged communication and conflict-resolution skills to drive team success during high-pressure tournament play.
- Contributed to a 1st place GTHL finish in 2024 and maintained a top-tier defensive ranking over 40+ games.

PROJECTS

Quest Clickers (Collaborative Game) | JavaScript (ES6), HTML5, CSS3, Git

Feb. 2026

- Co-developed a browser-based incremental game featuring custom game-loop logic and a modular shop system.
- Implemented persistent state management via the Web Storage API to maintain user progress across sessions.
- Engineered an asynchronous gold-generation system using `setInterval` to synchronize real-time DOM updates.
- Utilized Git for version control and collaborative development, resolving merge conflicts and managing feature branches.

Job Application Tracker | Python, CustomTkinter, CSV

Jan. 2026

- Built a desktop application with full CRUD functionality and persistent data storage via a CSV backend.
- Developed event-driven GUI components and filtering algorithms to query applications by company or status.
- Architected a modular code structure to separate GUI logic from data processing, improving system maintainability.

The Daily News Landing Page | HTML5, CSS3, Flexbox

Jan. 2026

- Designed a responsive multi-column layout using CSS Flexbox and media queries for cross-device compatibility.
- Architected a semantic HTML5 structure to improve web accessibility and optimized asset delivery for faster load times.
- Utilized modern CSS techniques including hover transitions and custom variables to ensure a consistent visual theme.

File Organizer Automation Tool | Python, OS Library

Nov. 2025

- Developed a system-level script using `os` and `shutil` to automate file sorting and directory categorization.
- Created a CLI with real-time execution logging and error-handling to ensure safe file operations across nested trees.
- Optimized file traversal logic to handle large directory volumes efficiently while preventing data duplication.

TECHNICAL SKILLS

Languages: Python, Java, Haskell, C, HTML/CSS, JavaScript

Frameworks/Tools: CustomTkinter, Unix/Linux, Git/GitHub, VS Code

Currently Learning: Spring Boot, SQL (PostgreSQL), Cloud Fundamentals (AWS)

Spoken Languages: English (Native), Mandarin Chinese (Fluent), French (Conversational)