

# Simon Lin

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## EDUCATION

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### Toronto Metropolitan University (formerly Ryerson)

Toronto, ON

*Bachelor of Science - Computer Science Co-op Program*

*Sep. 2021 – present (est. 2026)*

## PROJECTS

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### Discord-embedded Riot API Bot | *Python, Selenium, Riot API, Discord.py, Git*

- Developed a Discord community application to fetch and analyze user data using the Riot Games developer API
- Utilized Selenium for web-scraping JSONs for assets of popular games: League of Legends and VALORANT
- Deployed the Discord-bot both locally and through Google Cloud Hosting services in small online servers

### linsimon.com - Portfolio Website | *JavaScript, HTML, CSS, GitHub Pages*

- Designed and developed a personal online portfolio website to showcase side-projects
- Implemented modern front-end web-development practices including responsiveness for varying screen resolutions
- Implemented scalable, readable and maintainable code with useful naming conventions in code and CSS

### Object Recognition in Roblox | *Python, OpenCV*

- Developed a python project to automate fishing in a Roblox server using real-time image recognition on OpenCV
- Self-trained a Haar Cascade Classifier machine learning algorithm to identify objects live in-game
- Self-taught machine learning concepts including supervised and unsupervised learning within a few days
- Collected, sorted and analyzed over 1000+ images to train image recognition model with precise attention to detail
- Maintained, debugged and wrote reliable code with effective practices and object-oriented design principles

### Server-side PHP and MySQL Database Website | *PHP, MySQL, Unix, HTML, CSS*

- Developed and hosted a server-side photograph display website managed with a Unix server database
- Wrote SQL code to query and display and sort images in the database to satisfy user-generated queries
- Used HTML and CSS to organize website content and create forms for user-generated queries

### Command Line Interface E-Commerce Project | *Java*

- Worked on an E-Commerce project as part of a Java programming final project
- Focused on industry standard code structure, algorithmic and object oriented programming principles
- Accessed Oracle documentation to learn and implement concepts unique to Java including interfaces
- Wrote and documented clean code as part of modular design processes

## WORK EXPERIENCE

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### Camp Counselor

July 2021 – August 2021

*The STEAM Project*

*Richmond Hill, ON*

- Assisted in teaching campers a curriculum based in sciences, technology, engineering, arts and math.
- Maintained communicative and collaborative abilities between co-counselors and staff for streamlined .
- Adapted various problem-solving skills to fit the environment.

## TECHNICAL SKILLS

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**Languages:** Python, Java, C, JavaScript, MySQL, HTML, CSS, Perl, PHP, Classic ASP, Lisp

**Developer Tools:** Git, BitBucket, Visual Studio Code, PyCharm, Eclipse

**Libraries:** OpenCV, Selenium, NumPy, Discord.py

**Frameworks:** jQuery, Bootstrap