

Simon Lin

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EDUCATION

Toronto Metropolitan University (formerly Ryerson)

Bachelor of Science - Computer Science Degree

Toronto, ON

Sep. 2021 – present

Bayview Secondary School

Ontario Secondary School Diploma, graduated with Ontario Scholar Award

Richmond Hill, ON

Sep. 2017 – June 2021

WORK EXPERIENCE

Camp Counselor

The STEAM Project

July 2021 – August 2021

Richmond Hill, ON

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

PROJECTS

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 servers

linsimon.com (Portfolio Website) | *ReactJS, 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

Command Line Interface E-Commerce Project | *Java*

- Worked on an E-Commerce project on the 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 concepts unique to Java including interfaces
- Wrote and documented clean code as part of design processes

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, SQL, HTML5, CSS

Frameworks: ReactJS, jQuery, Material-UI

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

Libraries: OpenCV, Selenium, NumPy, Discord.py