

Nathan Lum

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LINKS

GitHub: NathanTL9
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Portfolio website:
<https://nathantlum9.github.io/>

EDUCATION

UNIVERSITY OF CALGARY
BACHELOR OF SCIENCE IN
COMPUTER SCIENCE
November 2025

COURSEWORK UNDERGRADUATE

Human-Computer Interaction
Algorithms and Data Structures
Information Visualization
Visualization and Analytics
Principles of Computer Security

SKILLS

LANGUAGES

- Python
- Java
- C++
- HTML
- CSS
- JavaScript
- LATEX

TOOLS AND FRAMEWORKS

- Django, Tensorflow, Git

WORK EXPERIENCE

TECHNICAL SUPPORT ASSISTANT (CONTRACT) | STUDY SMART

INCLUSIVE SOLUTIONS CORPORATION

July 2025 - Present | Toronto, ON (Remote)

- Worked under contract for Study Smart in developing inclusive educational tools
- Researched and recommended related technologies while providing mockups using said technologies that could enhance the educational tools
- Performed a variety of duties to support the design and development of these inclusive educational tools

RACQUET CENTRE STAFF | UNIVERSITY OF CALGARY RACQUET CENTRE

September 2018 - Present | Calgary, AB

- Worked as a staff and instructor at the University of Calgary's Racquet Centre
- Maintained facility cleanliness and safety, assisted with coaching during junior/adult lessons, and onboarded new staff with on-the-job shadowing
- Provided a perfect environment for players to enjoy and learn the sports of squash, racquetball, and pickleball

PROJECTS

INFOFLUX | INFORMATION KIOSK SYSTEM (HTML, CSS, JAVASCRIPT, C#) | UNIVERSITY GROUP PROJECT

- A proof of concept for an information kiosk system designed for downtown Calgary to eliminate the need for and to build upon alternatives such as brochures, pamphlets, and websites
- Designed and implemented the main layout for each screen using Figma for the mockup and HTML, CSS, and Javascript for the working prototype
- Developed a working kiosk system with several features including an interactive map, tab navigation, filters, time, and live weather forecast

TAIPANCLONE (JAVA) | UNIVERSITY GROUP PROJECT

- Rendition of the 1979 turn-based strategy computer game Taipan!
- Designed the starting GUI using JavaFX Scene Builder and programmed the logic for the initialization process for starting a new run using Java
- Implemented the starting sequence for a new run in TaipanClone, resetting the game so that the player has the correct amount of resources and starts in the correct location

UNIVERSITY CLUB FINDER (PYTHON, HTML, CSS, DJANGO) |

UNIVERSITY GROUP PROJECT

- A club finder for universities all across Canada.
- Designed and implemented various pages and their features using HTML and CSS then connected them to our database using Python and Django
- Developed a mobile-friendly website with a database for students to create profiles, clubs, events and announcements