

# Nhat Minh Phan

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## PROJECTS

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### Discord Bot for Recreation | *Python, discord.py*

May 2025

- Facilitated recreational and interactive activities comprising of counting, hangman and rock paper scissors through a Discord bot with which all members in a Discord server can interact
- Equipped certain bot commands accessible to administrator roles in the Discord server to allow customization for and increase engagement in the aforementioned activities
- Guaranteed server members' satisfaction and entertainment through the simple yet highly-interactive application

### Toronto Street Search | *Python, pypdf*

December 2024 – January 2025

- Developed a program that returns the street type of the one upon inputting a street name, by retrieving data from the City of Toronto's official street list from 2018
- Scraped street data from a PDF from the city government with pypdf in the absence of an official or proper database online
- Contributed to user experience and entertainment by integrating user input through quizzes which challenge their knowledge on Toronto streets

### Go with the Traffic Flow | *Java, Java Swing*

April 2024 – June 2024

- Developed a traffic simulation program which attempts to teach users about traffic safety for a high school culminating project
- Oversaw the program's development independently and promptly in a one-person team
- Incorporated user input alongside the GUI and Java Swing graphics to enhance interactivity and learners' engagement in traffic safety and planning

### Simon Says | *JavaScript, HTML*

November 2023 – December 2023

- Developed a game for a high school culminating project, which challenges users to memorize a sequence of coloured buttons and press them accordingly
- Structured the graphics within the HTML canvas and user input such that all crucial game elements are within the user's range of vision and focus
- Demonstrated the game's mechanics and incremental difficulty via an instructional video embedded in the canvas and a random selection of animated opening sequences

## EDUCATION

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### York University

*Honours Bachelor of Science in Computer Science*

North York, ON

*Sep. 2024 – Apr. 2028*

### William Lyon Mackenzie Collegiate Institute

North York, ON

*Sep. 2021 – Jun. 2024*

## TECHNICAL SKILLS

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**Languages:** Python, Java, JavaScript, HTML/CSS

**Frameworks:** JUnit, Flask, React, Node.js

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

**Libraries:** pypdf, discord.py, BeautifulSoup

**Multimedia Production:** Adobe Photoshop, Adobe Animate

## HONOURS AND AWARDS

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### Focus on Information Technology Certificate (FIT Certificate)

June 2024

*Information and Communications Technology Council of Canada*