

# Richard Phan

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richardphan01.github.io/Portfolio

## Education

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**University of Western Ontario** Expected April 2023

- Honors Bachelor of Engineering in Software Engineering
- Relevant courses: Algorithms and Data Structures / Software Construction / Software Design / Digital Logic Systems / Scripting Language Fundamentals

**Coursera – Online Learning** Completed September 2020

- Python for Everybody – **University of Michigan**
  - Introduction to Programming / Getting Started with Python / Python Data Structures / Using Python to Access Web Data

**FreeCodeCamp – Responsive Web Design Certification (300 hours)** Completed January 2020

- Relevant coursework: HTML, CSS, Responsive Web Design

## Skills

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- **Familiar with:** JavaScript, Python, Java, HTML & CSS, Swift 5, C#, Ruby
  - **Frameworks and Libraries:** Node.js, Express.js, jQuery, React, Pygame
  - **Environments and Libraries:** Git, Unity

## Experience

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**Shopper's Drug Mart - Merchandiser** July 2018 – June 2019

- Worked as part of a team to manage inventory of store products, their quality and ensure high quality customer service to all customers.
- Worked independently on specific tasks to make store deadlines and upcoming events more manageable.
- Organized product and work on a timely manner to uphold the highest quality and good store branding.

## Projects

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**Space Evade** July 2020 – Present

- A game where the player uses the WASD keys to dodge incoming asteroids to survive with a leveling system and an increase in difficulty including speed and number of asteroids.
- Created various functions using Pygame in Python for visuals, audio and overall game functionality.

**Smart City (In-Progress)** Jan. 2020 – Present

- An application that provides information of various services such as hotels, restaurants, healthcare, and other services that may be necessary for one entering a new city.
- Being created using web parsing with Python to retrieve required city information

**Airport Management System (In-Progress)** Jan. 2020 – Present

- An application that automates the registration process of an airline system. This program can store and provide information such as passenger information, criminal list, and manifest.
- This system uses both Java and for data storage and retrieval the MySQL Database is used.