

# Harnoor Singh Reen

UNIVERSITY OF WINDSOR · SOFTWARE DEVELOPER

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## Education

### University of Windsor

B.SC. HONOURS COMPUTER SCIENCE WITH SOFTWARE ENGINEERING SPECIALIZATION (Co-Op)

- University of Windsor's Entrance Scholarship Recipient.

Windsor, Ontario

Sept. 2019 - Present

## Experience

### UWindsor Computer Science Society (CSS)

FIRST YEAR REPRESENTATIVE

- Elected by fellow students to represent them and communicate their views and concerns.
- Held regular, open office hours for fellow students.
- Assisting with organizing events, including the Google HashCode Qualifier Round (2020).

Windsor, Ontario

Dec. 2019 - May 2020

## Skills

**Programming** C, C++, Python, Java, Powershell

**Web Development** HTML, CSS, Javascript, Git, React.Js, Bootstrap, Ajax

## Recent Projects

### NineGaps

[HTTPS://GITHUB.COM/REENHARNOORSINGH/NINEGAPS](https://github.com/reenharnoorsingh/ninegaps)

- NineGaps is a highly addictive and tricky puzzle game. The goal of the game is really simple. You have to use your wits to place numbers from 1 to 9 in the missing gaps, while matching the operations presented in the puzzle. It's just like sudoku, but different!

C/C++ Application

Sept. 2019

### Subletr

[HTTPS://GITHUB.COM/REENHARNOORSINGH/SUBLETAPP](https://github.com/reenharnoorsingh/subletr)

- Subletr is a web application designed to make it simple for people in Canada to find houses and apartments available to sublet. This app was created using React App Interface.
- Used HTML5, CSS3, JavaScript and React for Web Development with Python for Web - Scrapping
- <https://subletr.netlify.com/>

Web Application

Feb. 2020

### Flappy Bird

[HTTPS://GITHUB.COM/REENHARNOORSINGH/FLAPPY-BIRD](https://github.com/reenharnoorsingh/flappy-bird)

- The Game Flappy Bird made in Python3. Effective usage of the PyGame library. The sprites were created and edited by me.
- It is a user input game in which the user just needs to make sure that they do not crash with the pipes.

Game

Aug. 2020

### Car and Pedestrian Tracker

[HTTPS://GITHUB.COM/REENHARNOORSINGH/CAR-AND-PEDESTRIAN-TRACKER](https://github.com/reenharnoorsingh/car-and-pedestrian-tracker)

- It is a tracking system which detects cars and pedestrians on the road through the computer vision from dashcam videos which can be helpful for self driving cars.
- It converts real time frames into grayscale and then through machine learning algorithms detects cars and pedestrians.

Tracking Program

Sept. 2020

## Extracurricular

2020 **Co-Founder**, Windsor Video Game Design Club

2020 **Organizing Volunteer**, Winhacks(UWindsor Hackathon)

2019 **Member**, UWindsor Robotics and Tech

2019 **Department of Content Writing**, hearNhelp.org

Windsor, Ontario

Windsor, Ontario

Windsor, Ontario

New Delhi, India

## Honours & Awards

2018 **Runner's Up**, 'Freeze the Frame' Photography Competition

2017 **Secretary General**, Bhatnagar International School Model United Nations

2017 **Runner's Up**, XXX BrainWave Annual Quiz Competition

2016 **Chairman's Medal of Honour**, Bhatnagar International School

2014 **State Champion**, BournVita Quiz Contest

New Delhi, India

New Delhi, India

New Delhi, India

New Delhi, India

New Delhi, India