Harnoor Singh Reen

University of Windsor · Software Developer

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Education

University of Windsor — *Windsor, Ontario*

B.Sc. Honours Computer Science with Software Engineering Specialization (Co-Op) — *Sept. 2019 - Present*

- **University of Windsor's Entrance Scholarship Recipient.**

Experience

UWindsor Computer Science Society (CSS) — *Windsor, Ontario*

First Year Representative — *Dec. 2019 - May 2020*

- 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).

Recent Projects

BitWheel — *Web Application*

https://github.com/reenharnoorsingh/oneledger-challenge — *Sept. 2020*

- This was a project which was worked on BorderHacks 2020 by my team. The project won 2 awards at **BorderHacks 2020** including **2nd Place People's Choice Award** and **Winner of the OneLedger Challenge - Tracking Car parts from Manufacturer to Consumer**.
- **BitWheel** is a portal for Manufactures and Customers to search and upload information for car parts.
- Used **ReactJs, HTML, CSS and JavaScript** for frontend and **BlockChain** for backend

Subletr — *Web Application*

https://github.com/reenharnoorsingh/subletapp — *Feb. 2020*

- Subletr is a web application designed to make it simple for people in Canada to find houses and apartments available to sublet.
- Used **HTML5, CSS3, JavaScript and React** for frontend with **Python** for Web Scrapping and backend.

Flappy Bird — *Game*

https://github.com/reenharnoorsingh/Flappy-Bird — *Aug. 2020*

- 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.

Car and Pedestrian Tracker — *Tracking Program*

https://github.com/reenharnoorsingh/Car-and-Pedestrian-Tracker — *Sept. 2020*

- It is a tracking system which detects cars and pedestrians on the road through the computer vision from dashcam videos.
- Used **OpenCV** module and made the system possible through **Python3**. It converts real time frames into grayscale and then through **Machine Learning** algorithms detects cars and pedestrians.

Skills

Programming	**C · C++ · Python · Java · Latex · PowerShell**
Web Technologies	**HTML · CSS · Javascript · React.Js · Bootstrap · Ajax**
Tools	**Git · GitHub · Unix · PyGame · OpenCV · BlockChain**

Extracurricular

2020	**Co-Founder**, Windsor Video Game Design Club	*Windsor, Ontario*
2020	**Orgainzing Volunteer**, Winhacks(UWindsor Hackathon)	*Windsor, Ontario*
2020	**Associate Events**, Indian Students Association of University of Windsor	*Windsor, Ontario*

Honours & Awards

2020	**Winner, OneLedger Challenge - Tracking Car parts from Manufacturer to Consumer** at BorderHacks 2020	*Windsor, Ontario*
2020	**Runner's Up, People's Choice Award** at BorderHacks 2020	*Windsor, Ontario*
2017	**Secretary General**, Bhatnagar International School Model United Nations	*New Delhi, India*
2017	**Runner's Up**, XXX BrainWave Annual Quiz Competition	*New Delhi, India*
2016	**Chairman's Medal of Honour**, Bhatnagar International School	*New Delhi, India*