Harnoor Singh Reen

UNIVERSITY OF WINDSOR · SOFTWARE DEVELOPER

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Education

University of Windsor   *Windsor, Ontario*
BACHELORS OF COMPUTER SCIENCE(HONOURS) WITH SOFTWARE ENGINEERING SPECIALIZATION   *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 first year 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*
- It was a project which was worked on BorderHacks 2020 by the 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 web portal for Manufactures and Customers to upload and search information for car parts.
- Used **ReactJs, HTML, CSS and JavaScript** for front-end development and **BlockChain** for back-end development

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.

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.
- The game is a side-scroller where the player controls a bird, attempting to fly between columns of green pipes without hitting them.

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 front-end development with **Python** for Web Scrapping for back-end development.

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*