# Harnoor Singh Reen

✉ reen@uwindsor.ca | 🌐 reenharnoorsingh.com | in reenharnoorsingh | ○ reenharnoorsingh

## EDUCATION

**BACHELORS OF COMPUTER SCIENCE(HONOURS) WITH SOFTWARE ENGINEERING SPECIALIZATION** | University of Windsor

Sept 2019 - Present | Windsor, ON

- University of Windsor's Entrance Scholarship Recipient

## EXPERIENCE

**UWINDSOR COMPUTER SCIENCE SOCIETY (CSS)** | First Year Representative

Dec 2019 - May 2020 | Windsor, ON

- Elected by fellow first year students to advocate concerns and views
- Held regular, open office hours for fellow students
- Assisting with organizing events, including the **Google HashCode Qualifier Round(2020)**

## SKILLS

**Programming**  C • C++ • Java • Python • Latex • PowerShell
**Web Development**  HTML5 • CSS • JavaScript • React.js • Bootstrap • AJAX
**Tools**  Git • Github • Unix • PyGame • OpenCV • BlockChain • Linux

## PROJECTS

### BITWHEEL
Web Application (○)

- A web portal for Manufactures and Customers to upload and search information for car parts
- Combined to work on BorderHacks 2020. Won two awards including 2nd Place People's Choice Award and Winner of the OneLedger Challenge - Tracking Car parts from Manufacturer to Consumer
- **Technologies Used:**  React.js, HTML5, CSS3, JavaScript, BlockChain

### ROADTRACKER
Tracking Program (○)

- A tracking system which detects cars and pedestrians on the road through the computer vision from dashcam videos
- RoadTracker converts real-time frames into grayscale and then through Machine Learning algorithms detects cars and pedestrians on the road and assigns rectangles
- **Tehnologies Used:**  Python, OpenCV Library

### FLAPPY BIRD
Game (○)

- A side-scroller game where the player controls a bird, attempting to fly between columns of green pipes without hitting
- **Technologies Used:**  Python, PyGame Library

### SUBLETR
Web Application (○)

- A web application designed to make it simple for people in Canada to find houses and apartments available to sublet
- **Technologies Used:**  HTML5, CSS3, JavaScript, React.js, Python, BootStrap

## EXTRACURRICULAR

**BorderHacks - MLH Hackathon** Winner, OneLedger Challenge and Runner's Up People's Choice Award
**Windsor Video Game Design Club** Co-Founder(2020)
**Indian Students Association** Associate Events (2020)
**WinHacks- MLH Hackathon** Organizer (2020)
**Bhatnagar International School Model United Nations** Secretary General (2017)
**XXX BrainWave Annual Quiz Competition**  Runner's Up (2017)