

Harnoor Singh Reen

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EDUCATION

BACHELOR OF COMPUTER SCIENCE(HONOURS) WITH SOFTWARE ENGINEERING SPECIALIZATION (CO-OP) | 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

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

Other Windows • MS Office • MacOS • Adobe LightRoom

PROJECTS

BITWHEEL

Web Application (🔗)

- A web portal for Manufacturers 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 (🔗)

- Developed a tracking system which detects cars and pedestrians on roads through computer vision from dashcam videos
- Converts real-time frames into grayscale and then through Machine Learning algorithms detects cars and pedestrians on the road and assigns rectangles
- **Technologies Used:** Python, OpenCV Library

FLAPPY BIRD

Game (🔗)

- Devised a side-scrolled 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(2020)

Windsor Video Game Design Club Co-Founder(2020)

Indian Students Association Vice-President 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)