

# 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 • JavaSwing

**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. Project received two awards at BorderHacks 2020 including Runner Up of People Choice Award and Winner of OneLedger Challenge
- **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

### MICHAEL-SCOTT

Virtual Assistant (🔗)

- Devised a virtual assistant using Python. Recognizes voice input and responds to greetings, trivia and covers basic functionality
- **Technologies Used:** Python, Pyaudio, Pytsx3, SpeechRecognition, SAPI5(Microsoft Speech API)

### SUBLETR

Web Application (🔗)

- 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)