

WILSON HSU



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Work Experience:

Web Application Developer
Environment and Climate Change Canada

North York, Ontario
Aug. 2020 – Present

- Works in a Scrum team which is responsible for several .NET MVC web applications that enforce the 3 major effluent regulations PPER, MMER and MDMER.
- Implemented features such as new reporting pages for enforcement officers and dynamically changing page layout depending on the regulation that the business is complying to.
- Wrote SQL scripts to generate test cases for performance testing, and a Windows program that cleans/convert undesirable data in production database into wanted format.

Education:

Computer Science Specialist **Honours Bachelor of Science**
University of Toronto Sept. 2017 – (Expected) Apr. 2022

- Cumulative GPA of 3.83.
- Focus in Artificial Intelligent and Minor in Mathematics.
- Dean's List Scholar of Year 2018, 2019 and 2020.

Project:

Neural Dependency Tree Parser

May 2020

- Parsed sentences into their corresponding projective dependency tree to find the grammatical relationships between the words.
- Implemented a feedforward-NN using PyTorch library to predict the next relation to draw.
- Achieved 89% accuracy on test data.

EtherRide

Jan. 2019

- Car rental app that won the Best Aragon App award at UofTHacksVI out of 100+ participating teams.
- Smart contract created/stored on the Ethereum Blockchain and managed using Aragon platform.
- Integrated SmartCar API to remotely lock/unlock smart vehicles once transactions are verified.

Leadership:

Vice-President of Operations
ROC Student Association at UofT

Mar. 2019 ~ Apr. 2020

- Recruited and lead a team of 8 people to engage in face-to-face meetings, phone calls, emails with numerous potential sponsors of the student association.
- Evaluated and managed all cash flows for our student association of over 200 active members.

Skill:

Languages

- Python, C#, C, Java, Javascript, HTML, CSS, SQL

Libraries and Frameworks

- PyTorch, Sklearn, Keras, NumPy, MongoDB, Entity, .NET, Git, Agile, (React/Angular/Express/Node).js