

WILSON HSU

📞 778-798-5537 ✉ wilsonhsu0102@gmail.com 🌐 hsu-wilson
🔗 wilsonhsu0102 🌐 wilsonhsu0102.github.io/personal_website

Work Experience

Web Application Developer

Aug. 2020 — Present

Environment and Climate Change Canada

North York, Ontario

- Developed and maintained several ASP.NET MVC applications that are responsible for regulating and enforcing the 4 major effluent regulations in Canada.
- Participated in all phases of the SDLC for our department-wide project that organizes 150+ web applications in ECCC.
- Put together an UI testing suite using Selenium and set up CI pipeline for it on Azure DevOps.

Education

University of Toronto

Sep. 2017 – Dec. 2021

Honour Bachelor of Science

St. George Campus

- Specialist in Computer Science and Minor in Mathematics
- Dean's list scholar from 2017 - 2021
- CGPA: 3.83/4.00

Relevant Coursework

- | | | | |
|-----------------------|----------------------------|------------------------|---------------------------|
| • Data Structures | • Database Management | • Parallel Programming | • Artificial Intelligence |
| • Algorithms Analysis | • The Business of Software | • Systems Programming | • Machine Learning |

Projects

Inforum Marketing

Dec. 2021

- A React/Node.js promotional content marketplace that specifically target the Millennial/Gen-Z generation.
- Planned out the product roadmap and requirements, then designed and built all database schemas, backend endpoints to meet each requirement.
- Implemented Web-scraper with Facebook Login, JWT-Auth, CI/CD pipeline, Unit testing, Exception logging.

Data Submission Portal

Apr. 2021

- ASP.NET web app that is made for accepting and categorizing 80+ different ECCC reports submitted by businesses.
- Implemented a background service that processes submitted reports every 6 hours.
- Built with Service Oriented Architecture, effectively cut down the time it takes to on-board a new report by 60% and enable us to maintain individual report without re-deploying the main app.

EtherRide

Jan. 2019

- A React car rental web app that won the Best Aragon App award at the UofTHacksVI out of 100+ participating teams.
- Used AragonAPI to create and store Smart contracts on the Ethereum Blockchain.
- Integrated SmartCar API to remotely lock/unlock smart vehicles once transactions are verified on the blockchain.

Technical Skills

Languages: Python, Javascript, C#, C, HTML, CSS, SQL

Technologies/Frameworks: React/Node.js, Bootstrap, JSON Schema, MongoDB, PostgreSQL, Flask, Azure DevOps, .NET, Entity Framework, Postman, Selenium, PowerBI

Leadership

Vice-President of Operations

Mar. 2019 – Apr. 2020

ROC Student Association at University of Toronto (ROCSAUT)

Toronto, Ontario

- Recruited and lead a team of 8 people to engage in face-to-face meetings, phone calls, email conversations with numerous potential sponsors of the student association.
- Evaluated and managed all cash flows for our student association of over 150 active members.
- Profited over \$2,000 at the end of the year from sponsors and various events that the student association hosted.

Languages

Native: Mandarin