

# WILSON HSU

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

## Work Experience

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### Coinbase

May. 2022 — Jan. 2023

*Software Engineer, Coinbase Cloud*

*Remote, North America*

- Designed and implemented new features on services that are responsible for all customer Kubernetes resource life cycle. Services are critical to Coinbase Cloud products and nearly every customer interaction on platform has to go through.
- Enhanced the Reaper Kubernetes CronJobs by upgrading resource protection logic, returns more precise and informative output message. Repaired the suspended CronJobs which estimated to save Coinbase Cloud \$1M/year.
- Part of the tiger team to build an alert triggered auto-action service, which would save each dev team 20-40 hours per week from dealing with common incidents that can be resolved with a predefined Temporal workflow.

### Environment and Climate Change Canada

Aug. 2020 — Aug. 2021

*Web Application Developer, Business e-Solutions*

*North York, Ontario*

- Involved in design discussions related to ECCC's transition to cloud, built the POC app to test feasibility.
- Worked in all phases of the SDLC for our department-wide project that organizes 150+ web applications in ECCC.
- Developed and maintained several MVC applications that are responsible for regulating and enforcing the 4 major effluent regulations in Canada.

## Education

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### 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: 3.85/4.00

### ROC Student Association at UofT

Vice-President of Operations

- Recruited and lead a team of 8 to engage in meetings, conversations with potential sponsors of the student association.
- Evaluated and managed all cash flows for our student association of over 150 active members.

## Projects

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### 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 all use cases.
- 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.
- Designed and built a scheduled background worker that virus scan and process files when application load is low to provide better User Experience.
- 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

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**Languages:** Golang, Python, Javascript, SQL, C#, C, HTML, CSS, HCL and Love to learn more!

**Technologies/Frameworks:** Temporal, AWS, Kubernetes, Docker, Terraform, React/Node.js, Bootstrap, JSON Schema, MongoDB, PostgreSQL, Redis, Flask, Entity Framework, Postman, Selenium