

# Joshua Concon

(416) 887-2846 | me@joshuaconcon.ca | joshuaconcon.ca | GitHub.com/JoshuaConcon | LinkedIn.com/in/joshuaconcon

## Experience

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### GreenShield, *Integrations*, Backend Software Engineer II

Jun 2024 – Present

- Managing profile and insurance coverage information for all health care offerings within GreenShield+
- Built out custom logic for grouped insurance benefits mapping in Nest.js and GCP

### Restaurant Brands International, *Loyalty*, Software Development Engineer II

Sep 2021 – Apr 2023

- Designed and implemented a notification flow for the authentication of loyalty users via saved payment methods in AWS SNS allowing for improved analysis of loyalty program
- Wrote scripts that updated millions of incomplete DynamoDB data records to reduce support tickets and errors
- Converted several components as part of a migration of the Mobile App Core shared between Tim Hortons, Burger King, and Popeyes from Capacitor to React Native, reducing complexity and increasing developer velocity
- Mentored 4 interns and new graduate employees, resulting in 2 successful internship conversions

### Scotiabank, *Cloud Operations and Dev Ops*, Product Design Intern

Sep 2020 — Dec 2020

- Redesigned the internal cloud onboarding flow that is responsible for \$17k of monthly sales with usability tests
- Won 1st in an internal hackathon by pitching a scheduling app that helps businesses operate during COVID-19

### Altice USA, *a4 Media Platform*, Software Developer Intern

Jun 2019 — Aug 2019

- Built a Node endpoint to validate and intake assets, reducing ad campaign submission time by 140+ hours each
- Implemented a diagnostic tool in Flask to find and delete unused advertiser models in an PostgreSQL Database

### Scotiabank, *Market Risk*, Software Developer Intern

May 2018 — Apr 2019

- Built a Django app to monitor runs of the VaR calculation over the bank's assets, allowing for operational costs to be estimated
- Developed a log monitoring web app in Python for a mission-critical system, quickening the debugging process
- Launched new accessibility features in a P&L web app with Angular, allowing traders to initiate trades quicker

## Education

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### University of Toronto, *Honours Bachelor of Science*, Computer Science

Jun 2024

- Teaching Assistant: Introduction to Programming, Discrete Math, Data Structures, Databases and Web Apps

## Projects

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### Woven

wovenapp.ca

- Built a closet management app that tracks clothing usage, like cost per wear to help users reduce clothing waste

### Sailboat

joshuaconcon.ca/Sailboat

- Built a food discovery app that won \$1.5K in funding and residency in 'The Hub' and DMZ Basecamp incubators

## Skills

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Languages	Python, Javascript, Typescript, Java, HTML/CSS, SQL, Bash
Tools & Tech	Flask, Django, React, Node, GIT, Docker, CircleCI, AWS, GitHub

## Research

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### Centre for Child Development, Mental Health, and Policy

Nov 2023 — Present

- Building a questionnaire app for sensitive mental health data collection with Django and AWS Elastic Beanstalk

### Regulatory and Affective Dynamics Lab

Jun 2020 — Aug 2020

- Launched a platform to transition the lab's experiments from in-person to online with React and Redux

### Interactive Media Lab

Sep 2019 — Apr 2020

- Investigated unused components throughout the Javascript codebase, decreasing the application size by 85%

### Lovejoy Lab

Oct 2017 — Feb 2018

- Streamlined the processing of DNA Sequences in CAFE and BLAST with Python and Bash scripts