

# Joshua Concon

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## Experience

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**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 ACID compliant scripts that bulk updated millions of incomplete critical user data records stored in DynamoDB to reduce customer 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**

- Created a service in Django to track instances of the Value at Risk calculation process over all of the bank's assets, allowing for the monthly cost of calculation runs 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