

Joshua Concon

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Experience

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

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

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

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

Research

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