

Joshua Concon

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Education

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

2015 — 2021

— Teaching Assistant: Introduction to Programming, Discrete Mathematics, Data Structures

Experience

Scotiabank, Cloud Operations, *Product Design Intern*

Sep 2020 — Dec 2020

- Redesigned an internal private cloud onboarding experience responsible for \$17k of internal sales per month through user interviews and usability tests with current clients
- Prototyped a seamless appointment system to aid small businesses in staying operational during lockdowns by expanding their internet presence in an internal Scotiabank hackathon, team placed 1st overall

Centivizer, Cognitive Centivizer, *Software Developer*

Sep 2019 — Apr 2020

- Refactored the Cognitive Centivizer Javascript codebase, resulting in an 85% decrease in the application size
- Implemented Progressive Web App features for offline use to accommodate research studies in rural areas

Altice USA, Platform, *Software Developer Intern*

Jun 2019 — Aug 2019

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

Scotiabank, Market Risk, *Software Developer Intern*

May 2018 — Apr 2019

- Built a microservice in Django, Airflow and SQLite to track reruns of the Bank's Value-at-Risk calculation process and to generate reports of the process' total monthly cost to run on Google Cloud Platform
- Conceptualized and launched new accessibility features in a Profit & Loss web application with Scala and Angular, allowing traders to more efficiently access time-sensitive data and initiate trades
- Developed a web application in Python, PostgreSQL and Spring MVC deployed on an Apache Tomcat server to monitor the log files of a mission-critical VaR Process, speeding up the debugging procedure

Skills

Languages Python, Javascript, Java, HTML/CSS, SQL, C, Bash
Tools & Tech UNIX/LINUX, React, Node, GIT, SVN, Django, Jenkins, Flask, SQLite, Docker

Projects / Research

Closetr (github.com/wafffly/closetr)

Nov 2018 — Present

- Leading the development of a Closet Management App using Node, MongoDB and CircleCI

RAD Lab, University of Toronto

Jun 2020 — Aug 2020

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

Sailboat (github.com/JoshuaConcon/Sailboat)

May 2017 — Apr 2018

- Built a local food discovery app that won \$1500 in funding and residency in both UTSC and DMZ incubators

Lovejoy Lab, University of Toronto

Oct 2017 — Feb 2018

- Streamlined the processing of DNA Sequences in CAFE and BLAST with Python and Bash scripts, saving the lab hours by automatically estimating the gene family and clustering the data for further analysis

Activities

AMACSS, Mathematics Lecturer: Hosted exam review seminars for 1st year math and computer science courses

University of Toronto, Student Assistant: Made YouTube videos for a 1st year CS course clarifying key topics