

Joshua Concon

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Education

University of Toronto | Honours BSc — Computer Science

Sep 2015 - Jun 2021

- **Teaching Assistant:** Introduction to Programming, Discrete Mathematics, Data Structures

Experience

Scotiabank | Velocity Intern

Sep 2020

- Engineering tools to support Scotiabank's Cloud Operations

Regulatory and Affective Dynamics Lab, University of Toronto | Web Developer

Jun 2020 – Present

- Building a platform to transition psychology experiments from in-person to online with Node and React

Centivizer | Research Software Developer

Sep 2019 – Apr 2020

- Developed games to streamline research projects focused on measuring cognitive ability
- Refactored the codebase written in Vanilla Javascript, 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 | Software Developer Intern

Jun 2019 – Aug 2019

- Reduced submission time of advertising campaigns by building an Node endpoint to intake and validate advertising assets, saving the company 140+ hours per submission
- Implemented a diagnostic tool in Flask to find and declutter unused advertiser models in an SQL Database

Scotiabank | 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

Lovejoy Lab, University of Toronto | Bioinformatics Research Assistant

Oct 2017 – Feb 2018

- Saved the lab hours by streamlining the processing of DNA Sequences with Python and Bash

Skills

Languages Python, Javascript, Java, HTML/CSS, SQL, C, Bash, LaTeX

Tools & Tech UNIX/LINUX, React, Node, GIT, SVN, Django, Jenkins, Flask, SQLite, Docker

Projects

Closetr | Personal Project — CircleCI, Node, Express, MongoDB, Heroku, Docker

git.io/fjN3P

- Implemented the Backend Endpoint of the Closet Tracker App in Node and MongoDB
- Setup Continuous Integration / Continuous Delivery of the App with CircleCI and Heroku

Sailboat | Startup — React Native

git.io/fjxCV

- Built a local food discovery app, won \$1.5K in seed funding and residency in UTSC and DMZ incubators

shARe | HackHarvard 2017 — Swift, ARKit

git.io/fjxCw

- Developed an anonymous discussion platform on an Augmented Reality iOS App with Swift + ARKit

Obstacle Avoiding Targeting Robot | RoboHacks 2016 — Python, NumPy

git.io/fjN31

- Built an autonomous robot that detects faces and avoids obstacles with OpenCV and NumPy

Volunteer Experience

AMACSS | **Math Representative** Hosted Math and CS exam review seminars for 200+ students
University of Toronto | **Student Assistant** Made YouTube videos for a CS course

Oct 2016 – Apr 2018
Sep 2016 – Dec 2016