

Joshua Concon

(416) 887-2846 | joshua.concon@mail.utoronto.ca | GitHub: JoshuaConcon | LinkedIn: joshuaconcon

Education

University of Toronto | **Honours BSc Candidate** — *Computer Science* Scarborough | **Sep 2015 - Nov 2020**

- **2x Teaching Assistant:** Introduction to Computer Programming, Discrete Mathematics

Experience

Centivizer | **Incoming Game Developer** — *Cognitive Centivizer Team* Toronto | **Sep 2019**

Altice USA | **Backend Developer Intern** — *Platform Team* Toronto | **Jun 2019 – Aug 2019**

- Built an endpoint in Node to intake and validate advertiser campaign video and image assets according to the requirements of demand-side platforms before storing them in AWS S3 for an internal creative management system
- Implemented a command in Flask and SQLAlchemy to find and declutter unused advertiser models

Scotiabank | **Associate Programmer Analyst** — *Market Risk Team* Toronto | **May 2018 – Apr 2019**

- Implemented a microservice in Django and SQLite to track reruns of the Bank's Value-at-Risk (VaR) Calculation process and to generate reports of its total monthly cost to run on Google Cloud Platform
- Improved accessibility in a Profit & Loss web application with Scala and Angular, allowing traders to more efficiently access time-sensitive data and tasks
- Built a web application in Python, PostgreSQL and Spring MVC deployed on an Apache Tomcat server to monitor the vital VaR Process' log files, resulting in a sped up debugging process

University of Toronto | **Bioinformatics Research Assistant** — *Lovejoy Lab* Scarborough | **Oct 2017 – Feb 2018**

- Automated the processing of DNA Sequences in CAFE and BLAST with Python and Bash scripts, saving the lab hours by automatically clustering the data for further analysis
- Maintained a web application organizing fish genomes and locations for the lab in MongoDB and Node

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** — *Team of 2* git.io/fjN3P | **Nov 2018 - Present**

- Built the Backend Endpoint of the Closet Tracker Application in Express, Node and MongoDB
- Setup builds of pull requests in CircleCI and Code Climate to ensure code quality

Sailböat | **Startup** — *Team of 3* **May 2017 - Apr 2018**

- Built a local food search/discovery app with React Native and assisted with developing the Business Plan
- Won \$1500 in funds at the UTSC Startup Competition as well as residency at UTSC's incubator, The HUB
- Validated Sailböat at DMZ's student incubation program, Basecamp into a more viable venture

shARe | **HackHarvard** — *Team of 4* **Oct 2017**

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

Obstacle Avoiding Targeting Robot | **RoboHacks** — *Team of 4* git.io/fjN31 | **Mar 2016**

- Implemented shuffling of training data with NumPy for the face detection computer vision algorithm

Volunteer Experience

AMACSS | **Mathematics Representative** Scarborough | **Oct 2016 – Apr 2018**

- Organized and hosted review seminars for over 200 students for both math and computer science courses
- Developed an exam study guide to demonstrate key topics in a computer science course on data structures

University of Toronto | **Anti-Lecturer** Scarborough | **Sep 2016 – Dec 2016**

- Developed YouTube videos to demonstrate various topics covered in an introductory computer science course