

# Joshua Concon

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## 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** | **Game Developer** — *Cognitive Centivizer Team* Toronto | **Sep 2019 - Present**

**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 various demand-side platforms before storing them in an internal creative management system
- Implemented a diagnostic tool in Flask and SQLAlchemy to find and declutter unused advertiser models

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

- Built 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
- Conceptualized and Implemented better accessibility 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 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**

- Streamlined 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](https://git.io/fjN3P) | **Nov 2018 - Present**

- Built the Backend Endpoint of the Closet Tracker Application in Express, Node and MongoDB
- Setup a Continuous Integration and Continuous Delivery Pipeline with CircleCI and Heroku

**Sailboat** | **Startup** — *Team of 3* [git.io/fjxCV](https://git.io/fjxCV) | **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 Sailboat at DMZ's student incubation program, Basecamp into a more viable venture

**shARe** | **HackHarvard** — *Team of 4* [git.io/fjxCw](https://git.io/fjxCw) | **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](https://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