Joshua **Concon**

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Education

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

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

Experience

Centivizer | **Game Developer** *Toronto* | **Sep 2019 – Present**

- Building games in Javascript to monitor congnitive functions for dementia patients and the elderly

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

- Reduced submission time of advertising campaigns by building an Node endpoint to intake and validate assets according to the requirements of various demand-side platforms, 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 | **Associate Programmer Analyst** *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 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 process

University of Toronto | **Bioinformatics Research Assistant** *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 estimating the gene family and 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 a Continuous Integration and Continuous Delivery Pipeline with CircleCI and Heroku

Sailböat | **Startup** — *Team of 3* *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 Sailböat at DMZ's student incubation program, Basecamp into a more viable venture

shARe | **HackHarvard** — *Team of 4* *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* | **Mar 2016**

- Build an autonomous robot that searches for faces with an onboard camera and avoids running into obstacles
- 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 | **Student Assistant** *Scarborough* | **Sep 2016 – Dec 2016**

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