Joshua **Concon**

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Education

University of Toronto | **Honours BSc** — ***Computer Science*** Scarborough | **Sep 2015 - Jun 2021**

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

Experience

Princess Margaret Cancer Centre | **Incoming Research Intern** — *Node* Toronto | **May 2020**

- Will be engineering tools to aid cancer researchers at the Benjamin Haibe-Kains Lab

Centivizer | **Research Software Developer** — *Javascript, HTML, CSS, Node* Toronto | **Sep 2019 – Present**

- 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 accomodate research studies in rural areas

Altice USA | **Software Developer Intern** — *Python, Node, SQLAlchemy, Flask* Toronto | **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** — *Python, Bash, Java, Scala, SQL, Django* Toronto | **May 2018 – Apr 2019**

- Built a microservice in Django, Airflow 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 GCP
- 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

University of Toronto | **Bioinformatics Research Assistant** — *Python, Bash* 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

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 | **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** — *React Native* git.io/fjxCV | **May 2017 - Apr 2018**

- Built a local food discovery app, won $1500 in seed funding and residency in UTSC and DMZ incubators

shARe | **HackHarvard** — *Swift, ARKit* git.io/fjxCw | **Oct 2017**

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

Obstacle Avoiding Targeting Robot | **RoboHacks** — *Python, NumPy* git.io/fjN31 | **Mar 2016**

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

Extracurriculars

AMACSS | **Math Representative** Hosted Math and CS seminars for 200+ students *Scarborough* | **Oct 2016 – Apr 2018**
University of Toronto | **Student Assistant** Made YouTube videos for a CS course *Scarborough* | **Sep 2016 – Dec 2016**