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 – Dec 2020**

- Incoming Velocity Intern at Scotiabank's Cloud Operations and Dev Ops Team

RAD Lab, University of Toronto | **Web Developer** **Jun 2020 – Aug 2020**

- Built a platform to transition the lab's 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 of a participant
- 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, validate advertising assets and send them to 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 | **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**

- 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

Sailböat | **Food Discovery App** won $1.5K in seed funding and residency in both UTSC & DMZ incubators **git.io/fjxCV**
Closetr | **Closet Management App** Built Backend with Node & MongoDB and CI/CD with CircleCI & Heroku **git.io/fjN3P**
shARe | **Anonymous AR Discussion Platform** Built with Swift + ARKit, HarvardHacks 2017 Submission **git.io/fjxCw**
HeadHunterBots | **Autonomous Obstacle Avoiding & Targeting Bot** Built with OpenCV & NumPy **git.io/fjN31**

Volunteer Experience

AMACSS | **Math Representative** Hosted exam review seminars for first year CS and math for 200+ students
University of Toronto | **Student Assistant** Made videos for a 1st year CS course clarifying key topics