Joshua **Concon**

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Education

University of Toronto   *Toronto, Ontario*
HONOURS BACHELOR OF SCIENCE CANDIDATE — *Computer Science*   *Sep 2015 - Nov 2020*
- **2x Teaching Assistant**: Introduction to Computer Programming, Discrete Mathematics

Experience

University of Toronto   *Toronto, Ontario*
INCOMING GAME DEVELOPER — *Interative Media Lab*   *Sep 2019*

Altice USA   *Toronto, Ontario*
BACKEND DEVELOPER INTERN — *Platform Team*   *Jun 2019 – Aug 2019*
- Built an endpoint in Node to intake and validate advertiser campaign video and image assets 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   *Toronto, Ontario*
ASSOCIATE PROGRAMMER ANALYST — *Market Risk Team*   *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 create a report 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 app in Python, PostgreSQL and Spring MVC deployed on an Apache Tomcat to monitor the vital VaR Process' log files to speed up the debugging process

University of Toronto Scarborough   *Scarborough, Ontario*
BIOINFORMATICS RESEARCH ASSISTANT — *Lovejoy Lab*   *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 database organizing fish genomes and locations for the lab in MongoDB and Node

Skills

   Languages   *Proficient* in Python and Javascript. *Familiar* in Java, HTML/CSS, SQL, C, Bash, LaTeX
Tools & Tech   UNIX/LINUX, React, Node, GIT, SVN, Django, Jenkins, Flask

Projects

Closetr   *https://git.io/fjN3P*
PERSONAL PROJECT — *Team of 2*   *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 AT HARVARD UNIVERSITY — *Team of 4*   *Oct 2017*
- Built an Anonymous Discussion Platform on an Augmented Reality iOS App with Swift + ARKit

Obstacle Avoiding Targeting Robot   *https://git.io/fjN31*
ROBOHACKS AT MCGILL UNIVERSITY — *Team of 4*   *Mar 2016*
- Implemented shuffling of training data with NumPy for the Face Detection Algorithm