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 │ **Incoming Game Developer** — *Cognitive Centivizer Team*   *Toronto* │ **Sep 2019**

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* │ **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*   **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*   **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**
• 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