

Skills

- Languages:
 - Proficient : Python, SQL Intermediate : Scala Previous Experience: Java, C, Javascript, HTML/ CSS
- Data Processing : Apache Spark / PySpark, Apache Kafka, Apache Hive, Job Scheduling
- Data Storage : Apache Hadoop, AWS S3, OpenStack Swift, AWS Redshift, MySQL, MsSQL, PostgreSQL, MongoDB
- Other : Docker, CI/CD, Git, Agile/Scrum, Algorithms and Data Structures

Work Experience

Data Developer

MAY 2021 TO PRESENT

Ubisoft

- Designed, developed, and maintained **ETL pipelines** for the processing of a large amounts of raw video game crash data
- Data was aggregated to meet clients needs such as outlining potential causes of recurring crashes for game production teams, or calculating **KPIs** for better allocation of funds across game production teams at the senior business level.
- Aided in the exploration and adoption of test driven development using Scala and Spark for more complex ETL design within our team.
- Optimized pipelines using **PySpark, Scala+Spark, Kafka** and Hive. Developed complex **SQL** queries for data retrieval and manipulation.
- Scheduled and monitored data workflows using internal job scheduling tools

Data Engineer

MAY 2020 TO MAY 2021

Data Sciences

- Designed, developed, and maintained optimal data architecture solutions for corporate and political clients
- Tasked with redesigning and automating the process to update voter registry lists across 650 constituencies, each with unique data management techniques, for a major political party
- Solutions utilized **ETL pipelines in python** with a range of data sources (ex: **Salesforce, Shopify**) utilizing AWS' suite of services including **Redshift, ECR, S3 and CloudWatch**
- Developed complex **SQL** queries to merge data across data sources. Adhered to data privacy (eg: **GDPR**) legislation.

Amplify Developer

MAY 2019 TO AUGUST 2019

Royal Bank of Canada

- Developer in multidisciplinary team tasked with coming up with an innovative solution to manage and mitigate the risk of browser based third party application usage within the bank
- Solution utilized **MEAN** stack (mongoDB, Express.js, Angular, Node.js) as well as **Public Key Encryption**
- One of six finalist teams (out of 20) in Pitch Competition and **patent approved**

Software Developer

MAY 2017 TO APRIL 2019

Distributed Digital Music Archives & Libraries Lab

- Worked on the development of Neon, a browser based music editor used to manipulate digitally encoded early music using **Javascript, C++, Node.js, Express.js framework and the Pug templating engine**
- Used to correct output and create ground truth for the **machine learning training process**

VP Helpdesk

SEPT 2019 TO APRIL 2020

McGill Computer Science Undergraduate Society

- Lead group of over 40 Computer Science tutors. Ran review sessions for many introductory computer science courses.

Projects

Civic Tech Montreal

JULY 2020 TO PRESENT

Co-founded the Montreal Civic Tech Chapter. Now a federally incorporated NGO, we host bi-weekly hack nights where people from all backgrounds, technical or not, can come together to solve civic issues.

Education

BSc in Computer Science

McGill University

SEPT. 2015 TO MAY 2020

Provided a deep understanding of Algorithms and Data structures and all foundational concepts of Computer Science.

BMus in Music Jazz

McGill University

SEPT. 2015 TO MAY 2020

Jazz Bass concentration, with a minor in Music Technology, where I focused on Signal Processing.