

EXPERIENCE

DELOITTE | DATA ENGINEER

September 2018 – Present • New York, NY

- Maintain complex model building data pipelines
- Analyze and explore large datasets with Spark and SQL
- Manage and configure data streams, data dependencies, and data stores using Kafka, Luigi, Hdfs
- Build a reporting platform and pipeline, integrated with BI tools
- Help a team of data scientists bring their experiments to production

MAGNETIC | SOFTWARE ENGINEER

May 2017 – September 2018 • New York, NY

The Magnetic engineering team and IP was aquired by Deloitte Digital

- Maintained and built a reporting ETL pipeline with Spark, Kafka, Hadoop, and Luigi
- Wrote Spark jobs to run on AWS instances and consume 3 to 4 terabytes of data a day
- Manipulated, transformed, and visualized data using SparkSQL, Pandas, Impala
- Rapidly built and maintained microservices in Python using Flask and PostgreSQL

ÉCOLE ÉLÉMENTAIRE BRUXELLES | TEACHING ASSISTANT

January 2016 – July 2016 • Paris, France

- Taught fundamental video game development (loops, conditions, coordinates, threading) with Scratch

MCGILL DIGITAL HUMANITIES PROJECT | DIGITAL RESEARCHER

January 2015 – July 2015 • Montréal, QC

- Analyzed a large corpus of text from early modern England with Regex, NLTK, and Python

LANGUAGES

PYTHON, GO, JAVA, PHP, RUBY, HTML/CSS/JS

Spark, Hadoop, Luigi, Kafka • Flask, Bootstrap, Vue.js • PostgreSQL, HBase, MySQL, Impala

PROJECTS

DEMOCRACY DROID! | JAVA ANDROID APP FOR MEDIA STREAMING

A Democracy Now! podcast app; it has thousands of active users around the world.

GHESS | GOLANG CHESS ENGINE AND AI

A chess engine in Go; it supports PGN and includes a Websocket GUI and a fast and effective AI.

EDUCATION

RECURSE CENTER | RETREAT PARTICIPANT

September 2016 – December 2016 • New York, NY

The Recurse Center is a self-directed, community-driven educational retreat for programmers in New York City. My principal projects were a Chess AI and a BitTorrent client, both written in Go.

MCGILL UNIVERSITY | MASTER IN RELIGIOUS STUDIES

September 2013 - July 2015 • Montréal, QC

The Work of Text in the Age of Digital Reproduction: A comparison of Ancient Literary Practice and the Copy Left Movement

MCGILL UNIVERSITY | BACHELOR IN RELIGIOUS STUDIES

September 2009 - July 2013 • Montréal, QC

Focus on exegesis of classical texts (Latin and Greek) and the philosophy of religion.