

EXPERIENCE

DELOITTE | DATA ENGINEER

September 2018 – Present • New York, NY

- Maintain and build an ETL pipeline with Luigi, Hadoop, Kafka, and Spark
- Analyze and explore large datasets with SQL and map reduce batch jobs
- Manipulate, transform, and visualize data using SparkSQL, Pandas, Impala, and D3
- Create reporting pipeline, database, service, and client
- Support a team of data scientists

MAGNETIC | SOFTWARE ENGINEER

May 2017 – September 2018 • New York, NY

The Magnetic engineering team and IP was acquired by Deloitte Digital

- Maintained and built an ETL pipeline with Luigi, Hadoop, Kafka, and Spark
- Wrote Spark jobs to run on AWS instances and consume 3 to 4 terabytes of data a day
- Supported a team of data scientists
- Rapidly built and maintained microservices in Python (and some Java and Ruby)

ECOLE 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 Python, NLTK, and Regex

PROJECTS

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.

DEMOCRACY DROID! | JAVA ANDROID APP FOR MEDIA STREAMING

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

LANGUAGES

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

Spark, Hadoop, Luigi, Kafka • Flask, Spring, Bootstrap, Android • PostgreSQL, HBase, Redis, MySQL, Impala

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.