

## EXPERIENCE

### DELOITTE | DATA ENGINEER

September 2018 – Present • New York, NY

- Maintain and build a data ETL pipeline with Luigi, Hadoop, Kafka, and Spark
- Use SQL and Batch Jobs to analyze and explore large datasets
- Manage Luigi tasks and Hadoop clusters
- 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

- Maintained and built a data 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)

Magnetic Was Aquired By Deloitte Digital

### RECURSE CENTER | RETREAT PARTICIPANT

September 2016 – December 2016 • New York, NY

- Implemented a chess AI and websocket client in Go
- Built a PostgreSQL database and JSON API for an Android App that puts reddit-style comments onto a map in Go
- Implemented the BitTorrent protocol for distributed file-sharing in a command line client in Go

### ECOLE ÉLÉMENTAIRE BRUXELLES | PROGRAMMING TEACHING ASSISTANT

January 2016 – July 2016 • Paris, France

- Taught fundemental video game development (loops, conditions, coordinates, threading) using Scratch

### MCGILL DIGITAL HUMANITIES PROJECT | DIGITAL RESEARCHER

January 2015 – July 2015 • Montreal, QC

- Used Python, NTLK, and Regex to analyze a large corpus of text from early modern England and test a hypothesis

## 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

### MCGILL UNIVERSITY | MASTER IN RELIGIOUS STUDIES

September 2013 - July 2015 • Montreal, 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 • Montreal, QC

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