

## EXPERIENCE

### **DASHLANE** | DATA ENGINEER

May 2020 – present • New York, NY

- Part of a new data engineering team

### **DELOITTE** | DATA ENGINEER

September 2018 – May 2020 • New York, NY

- Designed and built reporting pipeline to provide insights for internal operations:
  - Created an ETL pipeline processing hundreds of GB a day with Spark
  - Created a Flask service backed by Postgres as the data sink for BI
  - Set up an Hbase cluster for storing hundreds of thousands of keys
- Build a model building and scoring pipeline, predicting conversion events for our clients:
  - Moved storage from HDFS to S3 and designed new deploy processes for complex ETL pipelines
  - Designed and implemented a framework for running ETL pipelines with on-demand EMR clusters
  - Set up modeling and scoring pipeline to process 3 Terabytes a day
  - Review data science pull requests and ensure engineering standards are met
- Analyze and explore large datasets with Spark and SparkSQL
- Manage and configure data streams, data dependencies, and data stores using Kafka, Luigi, Hdfs
- Help a team of data scientists bring their experiments to production
- Train and onboard new hires for our new and growing remote team

### **MAGNETIC** | SOFTWARE ENGINEER

May 2017 – September 2018 • New York, NY

*Deloitte Digital acquired the Magnetic engineering team (including me) and IP*

- Designed and built a reporting ETL pipeline with Spark, Kafka, Hadoop, and Luigi
- Wrote Spark jobs for ETL pipelines consuming 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

## LANGUAGES

### **PYTHON, GO, SQL • JAVA, RUST, HTML/CSS/JS, PHP, RUBY**

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

## 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.