

## 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! Android App for streaming and downloading podcasts. It is a popular application with hundred of active users around the world.

### **THE TREASURE MAP | PYTHON FREE STUFF MAPPER**

Flask Application which scrapes and geolocates free stuff.

### **WINK | PHP FLAT FILE PHOTO GALLERY**

A PHP flat file photo gallery, with Bootstrap, REST endpoints, and authentication.

### **MUSE | DJANGO SOCIAL NETWORK**

A Django social network which encourages and tracks creative production.

### **FISSURE | JAVA ANDROID APP FOR GIFS**

An Android app for generating and viewing GIFs; it is popular in the open source community (F-Droid) and translated into French and Japanese.

## EXPERIENCE

### **RECURSE CENTER | PARTICIPANT**

September 2016 – Present • 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

### **ÉCOLE ÉLÉMENTAIRE BRUXELLES | PROGRAMMING TEACHING ASSISTANT**

January 2016 – July 2016 • Paris, France

- Taught video game development using Scratch
- Worked through fundamental concepts such as loops, conditionals, two dimensional planes, and threading

### **KNOWLEDGE ECOLOGY INTERNATIONAL | DEVELOPER**

May 2015 – September 2016

- Published an Android app for a non-profit organization, Knowledge Ecology International
- Worked with Twitter and Youtube API to aggregate their data

### **MCGILL DIGITAL HUMANITIES PROJECT | RESEARCHER**

January 2015 – July 2015 • Montreal, QC

- Used Python, NTLK, and Regex to analyze a large corpuse of text from early modern England
- Developed and tested a hypothesis on criminality and secularity in early literary practice

## LANGUAGES

### **GO, PYTHON, JAVA, PHP**

Django, Flask, Bootstrap, libGDX, Arduino • MySQL, PostgreSQL, BoltDB

## 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.