

EMPLOYMENT

Aug. 2018 to Current

InFeild ID · Data Scientist · Kingston ON

- Developed a suite of supervised machine learning algorithms to classify various plant pests and invasive species
- Built micro services for app functionality
- Deployed models to production

May 2018 to Aug. 2018

RBC Amplify - Capital Markets · Data Scientist · Toronto, ON

- Worked on a team of 4, tasked to create an artificial intelligence based recommendation engine for RBC Capital Markets
- Built a working product to showcase and present to end users and stakeholders
- Developed micro services to exploit under-utilized data with supervised and unsupervised machine learning
- Engineered data flow through queries, cleaning and normalization
- Work was filed for a provisional patent

PROJECTS

Sept. 2018

Structurall (Hack MIT)

Created a web-app to add structure to phone call audio. Used Revspeech API to map speech to text and Microsoft's Azure Text Analytics to conduct sentiment analysis and locate key phases.

Feb. 2018

NFLSenp.ai (Qhacks)

A basic web-app to predict the winner of NFL games by leveraging supervised machine learning. Developed by analyzing marginal statistics of two competing teams from MySportsFeeds API and trained a binary classifier in TensorFlow.

July 2018 to Aug. 2018

Beatbox to MIDI

Map audio recordings of beatboxing to midi files. Take transients found in audio recordings and fingerprint by spectrogram. Feed spectrogram data as inputs into a trained machine learning model to determine the corresponding drum sounds and compile into a midi file.

SKILLS

LANGUAGES
TECHNOLOGIESPython, Matlab, Java, JavaScript, SQL, C/C++, Bash
Supervised/Unsupervised Machine Learning, Data Visualization, Data Analysis, Data Modelling

AWARDS

Aug. 2018

Provisional Patent

Titled as Inventor for a provisional patent with respect to a series of machine learning algorithms built over summer work term

Sept. 2018

Hack MIT Finalist

Placed top 10 out of 1000 students at MIT's annual Hackathon for Structurall project.

Sept. 2018

Best Innovative Use of Artificial Intelligence

Achieved at Hack MIT for Structurall project

Feb. 2018

Best Domain Name

Awarded best domain name at Qhacks 2018 (NFLSenp.ai)

ACTIVITIES

Hackathons · Participant

Qhacks. HackMIT, Cal Hacks

WildCard (Band) · Lead Guitarist

Participated in a 5-piece rock band, performing weekly

EDUCATION

Sept. 2015 to Current
2019

Queen's University

BAS Applied Mathematics & Computer Engineering