

Aviv Goldgeier

EXPERIENCE

2017 –

Hinge – Junior Growth Engineer

- + Work with data team to ensure systems can handle a massively increasing userbase.

2015 – 2016

iHeartRadio – Data Science Intern

- + Implemented a deep convolutional neural net to correlate raw audio with the musical tastes of millions of users for the purposes of song recommendation
- + Built internal webapp to poll subjective similarity between songs, compressed model by 70%.

2015 – 2016

NYU Music and Audio Research Lab – Research Intern

- + Created algorithms to automatically detect the presence of birds' flight calls in nature audio. Achieved a level of detection an order of magnitude better than baseline.
- + End-to-end research project, include dataset and feature creation, developing custom algorithms, testing many methods, and writing full report

EDUCATION

2012 – 2016

New York University – B.M, Music Technology; Computer Science Minor

- + 3.877 GPA, *magna cum laude*, Steinhardt Scholar
- + Competed in International Collegiate Programming Contest, 2013 and 2014

Relevant Coursework

Machine Learning

Digital Signal Theory 1 & 2

Natural Language Processing

Algorithmic Problem Solving

Music Information Retrieval

Computer Systems Organization

PROJECTS

Cliché Rater: (pandas, numpy, nltk, jupyter)

Web service that rates how cliché a set of lyrics is

avivgoldgeier.com (AngularJS, Flask, Bootstrap)

Personal site/portfolio

M-Power: (Arduino)

Prototyped a solar-powered mobile charging station for use in rural Africa

more at avivgoldgeier.com

SKILLS

Languages (and Packages)

- + Python (numpy, sklearn, pandas, nltk, matplotlib, seaborn, theano, flask, django)
- + Javascript (MEAN stack), HTML, CSS (Bootstrap)
- + SQL
- + Java
- + MATLAB
- + Arduino
- + Some experience with Redshift, Spark, Storm, Clojure, C#, C