

Aaron Broukhim

(310) 867-3564 | broukhimaaron@gmail.com | github/linkedin: @aabroukh

Summary

Looking to apply machine learning related skills from research, personal projects, and school to industry. I'm a fast learner, willing to take initiative, and am willing to work remotely or in person while contributing to a positive work environment. I intend to eventually further my education with a PHD or Masters program as well.

Education

B.S. in Cognitive Science: Machine Learning & Neural Computation 2019-2021
Minor in Computer Science & Engineering GPA: 3.6
@ *University of California, San Diego*
supervised/unsupervised/reinforcement learning
genetic algorithms, knn, k-means, EM maximization, bellmans equation,
monte carlo methods, Q-learning, linear & logistic regression
Computer Science/Graphic Design 2015-2019
@ *Santa Monica College* GPA: 3.5
engineering level physics
typography, photography, art, color theory, animation

Skills

Languages - C, C++, Java, Python, R
Libraries - Pandas, SKLearn, Tensorflow, Seaborn
Misc - Illustrator, Lightroom, Maya, Photography, Git

Experience

Research Assistant
@ *UCSD: Computer Science & Engineering* Summer 2021
Web Scrape Facebook using Selenium and then make inferences
on users that were missing data based on mutual friend information
Design logistic regression models capable of detecting hate speech
on twitter & use transformer (Word2Vec) to bin dataset

Graphic Design Internships Summer 2015, 2016 & 2017
@ *Hotpoint App/Samuels Advertising*
Designed easy to understand one sheets for buyers
Created geotags to be placed on gifs for Live Nation

Projects

Snake Reinforcement Learning
Utilize Q-Learning and Monte Carlo methods to play snake
Compared the two methods performance within small feature spaces

DJAI
Develop models to classify spotify songs by emotion,
then classify ambient noise into an emotion to determine
the music to play to fit the room's "mood"