

Aaron Broukhim

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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/Deep Learning
Genetic Algorithms, Knn, K-means, EM Maximization, Bellmans Equation,
Monte Carlo, SARSA, Q-Learning, Linear/Logistic Regression

Computer Science/Graphic Design 2015-2019

@ Santa Monica College

GPA: 3.5

Engineering Physics, Data Structures, Assembly
Typography, Color Theory, 3D Animation, Photography, Art

Skills

Languages - C, C++, Java, Python, R

Frameworks - Pandas, SKLearn, Tensorflow, Keras, Selenium, Seaborn

Misc - Illustrator, Lightroom, Maya, Photography, Git

Experience

Research Assistant

@ UCSD: Computer Science & Engineering

Summer 2021

- Web Scraped social media using Selenium and then made inferences on users that were missing data based on mutual friend information
- Designed logistic regression models capable of detecting hate speech on social media & used 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

- Utilized DynaQ-Learning and SARSA methods to play snake
- Compared the two methods performance within very small feature spaces

DJAI

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

Brain Waves

- Compared multiple ML models for classifying resting brain waves as depressed or not