Kachi Odoemene

kachi.odoemene@gmail.com | +1.347.470.2533 | https://kachio.github.io

Citizenship: USA

Skills

Programming & Software: Python (numpy, scikit-learn, scipy, pandas, keras, tensorflow, pytorch), MATLAB, R; limited: C and C++

Machine Learning: Supervised and Unsupervised, Dimensionality Reduction, Clustering, Neural Networks, Deep Learning, Computer Vision, Natural Language Processing

Quantitative & Statistical Methods: Signal and image processing, Time series, Regression (Linear, Logistic, Nonlinear), Correlation, Hypothesis & Statistical tests, Linear Algebra

Projects

Kaggle Staoil Iceberg Image Classification Challenge (Top 14 %) (*Computer Vision*)

Toxic comment classification (*NLP*)

Anomaly Detection on Credit Card Fraud Data (*ML*, *Neural Networks*)

Employment History

Booz Allen Hamilton/ Machine Learning Data Scientist

2018 - Present | Laurel, MD

Test and evaluate existing biometric (e.g. face, finger & iris) recognition technologies.

Develop machine learning algorithms for multimodal fusion of biometric data (Python).

Conduct technical literature review of emerging biometric technologies.

Army Research Laboratory/ Postdoctoral Fellow

2017 - 2018 | Aberdeen, MD

Data analysis and modeling of visual search behavior and neurophysiology (Python).

Prototype machine learning algorithms for EEG muscle artifact removal (MATLAB/Python).

Cold Spring Harbor Laboratory/ Graduate Research Associate

2011 - 2017 | Cold Spring Harbor, NY

Executed on research program to investigate the causal role of rodent visual brain areas to decision-making behavior.

Built machine learning classifier to decode neural population activity (Python).

Wrote software for data collection, processing, and analysis (MATLAB & R).

Presented research findings at scientific workshops and conferences.

Education

Cold Spring Harbor Laboratory/ PhD Systems Neuroscience

2017 | Cold Spring Harbor NY

Purdue University/ MS Biomedical Engineering

2011 | West Lafayette IN

The George Washington University/ BS Biomedical Engineering

2009 | Washington DC

Senior Design Capstone Project: Vocalization analysis software tool (MATLAB)

Updated May 2018