ANNIE BOUNCHALEUN

Machine Learning and Neural Computation

PROFILE

Recent graduate with Bachelor of Science in Cognitive Science specializing in Machine Learning and Neural Computation. In-depth knowledge of machine learning models with practiced usage on Python, Java, and HTML.

LINKEDIN

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CONTACT

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EDUCATION

University of California, San Diego
09/2016 – 06/2020
Bachelor of Science (B.S.) Cognitive Science Machine Learning and Neural Computation.

SKILLS

Python	Machine Learning	Neural Signal Processing
Java	Deep Learning	Neural Networks
HTML & CSS	UI/UX Design	Data Analysis

COURSEWORK

Neural Networks and Deep Learning
Neural Signal Processing
Brain Computer Interfaces
Supervised Machine Learning Algorithms
Systems Neuroscience
Usability and Information Architecture
Data Science in Practice

PROJECTS

Char-RNN Text Analysis and Generator
05/2020 – 06/2020
Used Char-RNN LSTM model to analyze large religious text dataset and produce sample religious text into readable text.

Video Pauser with Neurosky Project
01/2020 – 03/2020
Designed code to pause video players using information relayed through Neurosky device. Users wore Neurosky device to monitor brain attention levels and if levels were low, the video were paused until attention levels were appropriate.

Supervised Learning Classification Algorithm Comparison
01/2020 – 03/2020
Performed KNN, Logistic Regression, and SVM classifier on 3 large datasets to compare training and testing accuracy. Found highest accuracy to be in the order of: SVM, KNN, LOGREG.

InColor App
07/2019 – 08/2019
Designed interactive high-fidelity prototype app, via Adobe XD, to assist Colorblind persons to identify, differentiate, and see colors with features including photo filtering, color search, and user's indicated color identification.

YouTube Music Analysis
04/2019 – 06/2019
Analyzed JSON data files for YouTube views of songs against other varying data files of Spotify charts, Billboard charts, and iTunes charts via Python to conclude the existence of an inverse correlation between the different charts. Used Pandas, numpy, and scipy.