SERGIO OROZCO

Software Engineer

CONTACT

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LANGUAGES

Python

C #

Java

c++

ML LIBRARIES

Scitkit-Learn

Keras

Tensorflow 1.X

DATA LIBRARIES

Numpy

Pandas

MatPlotLib

PROFILE

I am an driven individual with a passion for Artificial Intelligence. I am an aspiring Machine Learning Engineer with experience in data cleaning, feature engineering, and model creation, predominantly using Scitkit-Learn. I am a quick learner with a desire to excel. I'm not complacent, and I treat everyday as an opportunity to learn.

WORK EXPERIENCE

Sierra Nevada Corporation Jun2019-Present
Software Engineer I

- developed various front-end mission systems for the Department of Defense using Windows Presentation Foundation and Windows Forms in C#.

PERSONAL PROJECTS

Criminal Detection on Social Media Aug2019-Dec2019
Deep Learning

- I created a Deep Learning model (Convolutional Neural Network) with Keras to read vectorized tweets using the word2vec embedding as a means to generate a meaningful model that was able to accurately differentiate between criminally suggestive and non-criminally suggestive tweets.

- I created my own data set with the use of Tweepy, which is a python library that can scrape Twitter for tweets at any time, at any location, and with any property (keywords, tweet length, user, etc).

- At the end of this project, I managed to receive an accuracy of 79.77 percent on my test data.

EDUCATION

University of Colorado at Colorado Springs Aug2016-May2019
Bachelor of Science, Computer Science : GPA 3.68

United States Military Academy at West Point Jun2015-May2016
Bachelor of Science, Computer Science : GPA 3.3