HARRISON STANTON

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EDUCATION

University of Nevada, Reno, NV

Bachelor of Science, Discrete Mathematics, December 2017

Selected Coursework: Categorical Data Analysis, Statistical Machine Learning

Bachelor of Science, Computer Science and Engineering, December 2017

Selected Coursework: Advanced Computer Vision, Artificial Intelligence

SKILLS

Programming/Scripting Languages

Experienced: C, C++, Python

Familiar: R, Java, LaTeX, Javascript, C#, SQL

Frameworks and Tools

Experienced: Jupyter Notebook, GitHub

Familiar: R Studio Notebook, cmake, D3.js, PubNub, OpenCV, Pandas

EXPERIENCE

Computer Science Capstone Course

General Electric, Reno, NV, August 2016 - May 2017

Developed an application to classify turbine data using machine learning techniques. Displayed the data and classification results on a web page using D3.js.

Lab Instructor

University of Nevada, Reno, Spring 2016

Taught two sections of the Computer Engineering 301 lab for the University of Nevada, Reno.

PROJECTS

GLM for Machine Learning Technique Prediction

University of Nevada, Reno, Fall 2017 - Ongoing

Programmed a machine learning classifier ensemble generic to flattened data. Ensemble data was used to create a generalized linear model to predict accuracy of different classifiers based off of specific extracted attributes of the data set.

Machine Learning Strategies for Solving the Bongard Problems

University of Nevada, Reno, Fall 2016

Constructed and trained a support vector machine and a recurrent neural network classifier on a subset of the Bongard Problems.

Smoke Detection Prescreening in Sequential Images

University of Nevada, Reno, Spring 2015

Contributed to a program which identified movement patterns to locate smoke in the early stages of potential forest fires. Project was selected to be presented at ISCA CATA in 2016.