SIKAI WANG

Data Scientist enthusiast

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🌐 swang41.github.io

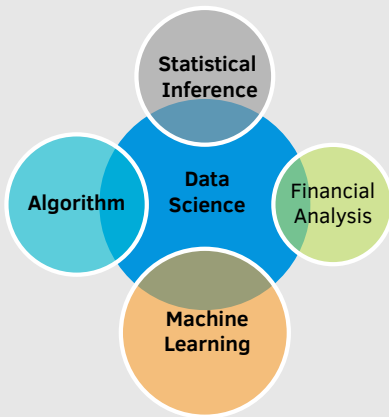✉ sikai.wang@student.csulb.edu

in /in/edwardwang88

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Technical Skills ——

Overview

Programming & Software

Python • C++ • MATLAB

R • SAS • SQL

JAVA • JavaScript • HTML

Tensorflow • Github

AWS • GCE

Spark • Tableau

ML Techniques —

Regression
Support Vector Machines
Naive Bayes
K-Nearest Neighbors
Decision Trees
Cluster Analyses
Time Series
Computer Vision
Natural Language Processing

Education

Dec 2019	**California State University - Long Beach** Master of Science in Applied Statistics
Aug 2014	**University of San Francisco** Master of Science in Financial Analysis
Jun 2012	**Guangdong University of Foreign Studies** Bachelor of Science in Mathematics and Applied Mathematics

Projects

Dec 2017-Feb 2018 — **Detection Object (Self-driving car course project)** ⬤

- Trained a classifier of bagging neural network with features selected by PCA and improve the accuracy from 88% to 93%
- Applied sliding windows technique on image with different scales and aggregated detection results from adjacent frames improve the detection accuracy.
- Technical skills gained: Python, sklearn, pandas

Nov 2017-Dec 2018 — **Behavioral Cloning (Self-driving car course project)** ⬤

- Trained VGG model with data argumentation by using Keras so the model can drive the car on track one smoothly
- Handpicked data from track two and retrain the model so that the new model can drive itself on track two
- Technical skills gained: Python, Keras

Nov 2017-Dec 2018 — **OCC Library Companion Android App (group project)** ⬤

- Added features of reserving room and viewing details by using MVC design pattern in Android Studio
- Technical skills gained: Android Studio, Java

Experience

May 2014-Nov 2014 — **Research Assistant** — University of San Francisco

- Simulated portfolio allocations with mean-variance optimization under different scenarios (liquidity constraint, transaction cost and etc) by using different market risk estimation method (GARCH, Multiple factors) in MATLAB
- Visualized similarities among different portfolio allocations by using MATLAB to better present the research result

Jul 2011 - Aug 2011 — **Intern** — Chinalion Securities Co. Ltd, GZ China

- Answered 100 clients' basic investment questions and trading system technical questions
- Opened brokerage account for clients and present writing analysis reports for different stocks

Qualification

Jun 2014	**Chartered Financial Analyst - Level II**
Aug 2014	**SAS Base Programmer**