

Steven Liu

Entry Data Scientist

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PROJECTS

Do you FF? — League of Legends Match Outcome Notebook

Developed a classification model with Scikit-Learn and SciPy that is able to obtain 73% test accuracy for the outcome of the match given data from the first 15 minutes of the match.

Global Dashboard — Compare Sales by Continent Website

Visualizes the sales between Dingus and Widget across continents with Highcharts.

MangaScraper — Read Manga Python Script

Uses BeautifulSoup to scrape manga images from selected sites. Multiple ways to view the images such as downloading or using a gui.

AirBnB Kaggle Challenge — Placed top 25%

Applied imputation, feature selection, feature encoding, and hyper tuning to develop a Gradient Boosting regression model to predict the price of AirBnB listings in NYC.

Climate Time Correlation — ESP32 Device Analysis

Records live data such as temperature, location, and humidity with the ESP32 devices into a database. Developed an API in Python and uses SQL to efficiently query data from the database. Dashboard uses a Google Charts to maneuver across the analysis collected from various ESP32 devices scattered across the world.

Benchmark of GCN Variants — Result Replication

Compares the performance of the variants of a Graph Convolutional Network in real-world graph datasets. Classical, GCN-LPA, and Graph-SAGE.

WORK EXPERIENCE

K-Element BBQ, San Francisco — Server

MONTH 2016 - PRESENT

Developed soft-skills such as time-management, collaboration, and creative thinking.

EDUCATION

University of California - San Diego

Bachelor's of Data Science
2018-2021

PROGRAMMING LANGUAGES

- Python
- JavaScript
- SQL
- Java
- R

TECHNICAL SKILLS

- ❖ Data Wrangling
 - Pandas
 - NumPy
- ❖ Data Visualization
 - Matplotlib
 - Seaborn
 - D3js
 - Highcharts
 - ggplot
- ❖ Statistical Analysis
- ❖ Machine Learning
 - SciPy
 - Scikit-Learn
- ❖ Neural Networks
 - PyTorch
- ❖ Database Management
- ❖ Web Scraping
 - BeautifulSoup

AWARDS

Provost Honors 2020