

Luigi Magdamit

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SKILLS & INTERESTS

- **Languages:** R, Python, Java, JavaScript, C++, C#, HTML & CSS, SQL
- **Libraries:** Leaflet, NumPy, SciKit-Learn, Keras, React.js, React Native, ggplot2
- **Machine Learning:** Linear/Logistic Regression, KNN, SVM, Decision Forests, Data Visualization, Text mining, Neural Networks

EDUCATION

University of California, Los Angeles (UCLA)

BS Degree in Statistics, GPA: 3.2

December 2022

Los Angeles, CA

Norco College

Transfer student with Computer Science coursework, GPA: 4.0

August 2018 - June 2020

Norco, CA

RELEVANT COURSEWORK

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|----------------------------------|---|------------------------------------|-------------------------------|
| ▪ Data Structures and Algorithms | ▪ Web Development & GIS For Social Change | ▪ Data Analysis & Regression | ▪ Computational Statistics |
| ▪ Computation & Optimization | ▪ Practice of Statistical Consulting | ▪ Statistical Models & Data Mining | ▪ Geostatistical Analysis |
| | | | ▪ Object Oriented Programming |

RELEVANT PROJECTS

Web Development & GIS For Social Change Project

- Assembled a mapping website to examine experiences of Asian Americans in the UCLA Community during the COVID-19 pandemic
- Programmed with **JavaScript, HTML, CSS** with the use of **Leaflet GIS Libraries** and **Google API** to collect and store participant responses

Spotify Exploratory Data Analysis & Prediction Modeling

- Conducted an **exploratory data analysis** on Spotify's Top 100 songs from the years 2010-2019
- Employed **random forest regression** to inspect the most statistically relevant variables in a song's popularity

UCLA Statistics Undergraduate Capstone Project

- Collaborated with other students in performing an **exploratory data analysis, statistical inference, and machine learning methods** on the official Zillow dataset **using R**
- Inspecting different numerical and categorical variables that could correspond with the time it takes for a listing to be sold on Zillow
- Assembled a **spatial analysis in R** to visualize the variance in the selling time of listings against their geographical positions through variogram functions

Future Business Leaders of America - Mobile Application Competition Project

- Designed a mobile application from the ground up utilizing **JavaScript, React Native, Google Firebase and React Redux**
- Collaborated with teammates to design the purpose and vision of the application
- Presented the project in a setting that was designed to simulate a formal business presentation

WORK EXPERIENCE

Centennial High School Sports

Assistant Coach

August 2019 - September 2021

Corona, CA

- Oversaw the training of 15-20 Junior Varsity & 20-30 Varsity swimmers
- Supervised high school students in following high school guidelines
- Assisted and educated swimmers in reaching their goals for the sport