

# YUN LIN

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## Education

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**University of California, Los Angeles**

Sep. 2021 – May 2023

*B.S. in Data Theory. GPA: 3.83*

**University of California, Los Angeles**

Jan. 2019 – May 2021

*A.S. in Mathematics, A.S. in Computer and information Science. GPA: 3.91*

## Coursework

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Computer Science I, Computer Science II, Computer Organization, Data Structures, Algorithms and Complexity, Linear Algebra, Differential Equations, Discrete Structures, Statistical Programming with R, Probability, Mathematical Statistics, Computational Statistics with R, Data Analysis and Regression, Python Application.

## Technical Skills

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**Languages:** Python, R, C++, Java, Bash, HTML, CSS, JavaScript, SQL, Git

**Developer Tools:** VS Code, Overleaf, RStudio

**Technologies/Frameworks:** Linux, GitHub, Latex, Markdown, WordPress, MySQL

## Projects

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**Line chatbot searching Taiwan stock price** | *Python*

[DEMO](#)

- Using flask and webhook to create a web to receive request/response with Line.
- Using request library to source the stock-data and sent it back to the Line user.

**Airbnb under COVID-19** | *Python*

[DEMO](#)

- Using A/B test to construct hypothesis on Airbnb datasets before/after COVID-19
- Comparing original dataset with bootstrap simulation data.

**Penguin Species Prediction** | *Python*

[DEMO](#)

- Training model with quantitative features and qualitative features, conducted with exploratory analysis, data cleaning, model fitting, model validation.
- Modeled data with Support Vector Machines, KNeighbor Classifier, Random Forest Classifier to train the data to make the prediction and comparing with the actual species respectively.

**Clustering the Taiwan Market** | *Python*

[DEMO](#)

- The project is using the Foursquare and google map API to find the venues in each district in Taiwan.
- Determine the top venues in each area for client check the location for potential competitors for starting any business.

**League of Legends Data Analysis** | *R*

[PRESENTATION](#)

- Conducted data analysis including exploratory analysis, dataset cleaning, model fitting, model validation, model interpreting on LOL datasets to optimize in-game gold difference between teams.
- Modeled data with multiple linear regression; used best subset method and BIC to determine final model

## Work Experience

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**ProDream Education**

March 2022 – June 2022

*Data Analyst Intern*

*Remote*

- Scraping data from different Transfer forum
- Now we mainly doing exploratory analysis and dataset cleaning, and going to train the model later on.

**Cupoy, iLinke Co., Ltd**

Feb 2021 – Sep 2021

*AI/DS Intern*

*Hybrid; Taipei, Taiwan*

- Manufacturing AI/ data science online courses.
- Including AI trading, Web scraping, Data analysis and visualization.  
(with: scikit-learn, backtrader, talib, mplfinance, etc)

**Coding Ape**

Jan 2021 — July 2021

*Scratch/Python Teaching Assistant*

*Taipei, Taiwan*

- Assist with teaching basic python x Minecraft (grade 7-9), and Scratch to help kids(grade 4-6) to develop logical thinking by learning programming languages.

**Math Resource Center College of San Mateo**

Sep 2020 – May 2021

*Teaching Assistant*

*San Mateo, California*

- Demonstrate relative examples for specific curriculum topics. Guide and support students to understand math concepts.

## Club Experience

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### Stat Club

*Tutor*

**September 2021 – Present**

*UCLA, California*

### Data Science Club

*President/Founder*

**September 2020 – May 2021**

*College of San Mateo, California*

### Phi Theta Kappa Club

*Collaborate work with Honors in Action project for TEDx CSM and broadcasted via zoom.*

**May 2020 – November 2020**

## Relevant Works

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**Google Analytics Individual Qualification:** Issued October 2020. Tracked visitors' activities and personalized the goal to help users to achieve their business goals individually.

**Data Visualization With R:** Used dplyr library to manipulate sample data and generated different styled plot using ggplot2.

**SQL Data Exploration:** Initiated a data analysis project using SQL and Tableau; Implemented data set queries with Coronavirus Death database from Our World in Data