

Jinwoo (Roy) Yoon

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EDUCATION

University of California, Berkeley

Berkeley, California

Bachelor of Arts, Data Science (Business/Industrial Analytics)

May 2023

- **Relevant Coursework:** Principles & Techniques of Data Science, Introduction to Machine Learning and Data Analytics, Statistical Inference, Data Engineering, Industrial and Commercial Data Systems, Data Mining, Data Structures, Computational Models of Cognition

- **Leadership Award - Cal Alumni Association of UC Berkeley**

August 2018

In recognition for demonstrating innovative, initiative-driven leadership impacting their academic or community environments. In Fall 2018, Cal Alumni Association received around 9,000 applications and welcomed 665 recipients.

EXPERIENCES

Bank of America

Plano, Texas

iOS Developer Intern

June 2022 - August 2022

- Designed and implemented a demo version of “deals” mobile app page based on MVP pattern with navigation flow
- Created service calls and model objects, fetched JSON-formatted data, and rendered the data into table view through Swift
- Performed unit testing and UI testing to validate the behavior of classes of the app and increased its code coverage to 98%
- Worked in an agile environment to deliver high quality of the mobile application against aggressive deadlines/schedules

University of California, Berkeley School of Law

Remote

Undergraduate Student Researcher

February 2021 - May 2021

- Studied how many brands in the marketplace are owned by Native American tribes
- Visualized locations of 875 trademarks through Datawrapper on maps, cleaned and organized datasets of trademarks
- Successfully delivered weekly presentations on cleaned datasets and visualizations of trademarks to research program mentor

E-Three

Seoul, South Korea

Data Entry Assistant

July 2020 - September 2020

- Inputted 2,400 data of environmental impacts, by public facilities on neighboring people, into the startup’s website
- Prepared and maintained documentations, reports, databases, spreadsheets etc. to support the software development team

PROJECTS

Bitcoin Exchange Rate Converter

May 2022 - June 2022

- Developed an iOS mobile application that shows Bitcoin exchange rate based on a selected currency through Swift
- Used Coin API to extract JSON data of the Bitcoin exchange rate with a variety of currencies based on MVC pattern

Visualization of Homeless People in the United States

June 2021 - August 2021

- Created a dashboard of the number of the homeless with filters of years, states, and categories
- Integrated with Tableau using bubbles, map, side-by-side bar chart, and stacked bar chart

Prediction on Scores by University of California College Basketball Players

February 2021 - May 2021

- Compared R-squared, mean squared error, and mean absolute error of machine learning regression models
- Predicted points scored for the next season from the other stats with a random forest model which has accuracy of 79.1%

Prediction on the Confirmed and Death COVID-19 cases

March 2020 - May 2020

- Performed exploratory data analysis, cleaned given datasets, and constructed the regression models through Python
- Evaluated RMSE and implemented a log model, which had less errors than the other models, to forecast confirmed cases

SKILLS

Languages: Python, Java, SQL, Swift

Databases : PostgreSQL, MySQL, MongoDB

Libraries : Pandas, NumPy, SciPy, SciKit-learn, Matplotlib, Seaborn

Data Visualization : Tableau, Datawrapper, Power BI

Softwares : Jupyter Notebooks, Microsoft Excel, Outlook, Git, Sourcetree, IntelliJ IDE, Xcode