Jinwoo (Roy) Yoon

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EDUCATION

University of California, Berkeley   **Berkeley, California**
College of Letters and Science   Expected Graduation : **May 2023**
B.A. in Data Science Major (Domain Emphasis on Business & Industrial Analytics)   Cumulative GPA : **3.30**

- **Relevant Coursework**: Statistical Inference, Probability for Data Science, Foundations of Data Science, Computational Structures in Data Science, Data Structures, Principles & Techniques of Data Science, Business Analytics, Introduction to Machine Learning and Data Analytics

- **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.

PROJECT

Visualization of Homeless People in the United States   **June 2021 - August 2021**
- Observed the number of homeless people in the United States through Bubbles, Map, Side-by-Side Bar Chart, and Stacked Bar Chart with the usage of Tableau. Compared the number of homeless with filters on State, Year, and Categories

Prediction on Scores by UC College Basketball Players   **February 2021 - May 2021**
- Compared R-squared, MSE, and MAE of Machine Learning Regression Models: OLS, Decision Tree, Lasso, Ridge, and Random Forest with a dataset of UC basketball players' stats. Then predicted scores based on the most accurate model

Predictions on the Confirmed and Death COVID-19 cases   **March 2020 - May 2020**
- Constructed the best linear regression model with Python(Matplotlib, NumPy, Pandas, Seaborn, and Scikit-learn), and predicted the number of confirmed and death cases with statistical modeling and analysis

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EXPERIENCE

Republic of Korea Army   (Mandatory Military Service)   Seoul, South Korea
Squad Leader & Administrative Specialist at Reserve Forces Command   **October 2020 - Present**
- Supervised other soldiers and responsible to call up and manage hundreds of reserve forces for annual trainings
- Successfully committed to assist at COVID-19 screening stations and vaccination centers

University of California Berkeley   Seoul, South Korea (Remote)
Undergraduate Student Researcher   **February 2021 - May 2021**
- Visualized the locations of the trademarks on maps through usage of DataWrapper
- Cleaned datasets of trademarks owned by Native American tribes through usage of Python

E-Three   Seoul, South Korea
Data Assistant   **July 2020 - September 2020**
- Input 2,400 data of environmental impacts by public facilities on people to improve the quality of people's lives
- Prepared and maintained documentations, plans, reports, databases, spreadsheets etc. to support Software Development Team

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SKILLS

Languages: Python, Java, SQL, NoSQL, R   **Databases** : PostgreSQL, MySQL, MongoDB
Libraries : Pandas, NumPy, SciPy, SciKit-learn, Matplotlib, Seaborn, Tensorflow
Softwares : Jupyter Notebooks, Microsoft Office(Excel, Word, Powerpoint), Github, R-Studio, Intellij IDE
Data Visualization : Power BI, Tableau, Data Wrapper   **Cloud** : AWS