Daniel Kim

Data Scientist / Machine Learning Engineer

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EDUCATION

Master of Science in Data Science w/ Concentration in Computational Methods,   DePaul University
Expected Dec. 2025   Chicago, IL

Bachelor of Arts in Economics & Mathematics,   Whitman College
Walla Walla, WA

SKILLS SUMMARY

- **Frameworks/Libraries:** Pandas, Numpy, Scikit-Learn, Matplotlib, Seaborn, tidyverse, caret, dplyr, ggplot, pysch, stats
- **Platforms/Environments:** PyCharm, Jupyter Notebook, Visual Studio Code, RStudio
- **Languages:** Python, SQL, R, SAS

WORK EXPERIENCE

Senior Analyst
Omega Accounting Solutions / Irvine, CA   Feb. 2022 – Mar. 2024

- Managed portfolio of 30 - 40 clients, managing client expectations, collecting operational and financial data, and generating case reports
- Transformed and processed raw data into organized data tables, employing VLOOKUP, SORT, and pivot table functions
- Leveraged data for businesses to enhance operational efficiency, identifying cost-saving opportunities and providing data-driven insights
- Collaborated with the 3+ cross-functional teams to design and implement SOP, integrating data into reporting systems and automating reports to monitor internal KPIs.
- Analyzed the company's profit and loss statements and operational metrics to pinpoint inefficiencies and recommend targeted strategies for improvement.

DATA SCIENCE PROJECTS

European Soccer League Analysis | **Link**   May 2024

- Loaded, pre-processed dataset from European soccer games to analyze unprecedented season of Leicester City in 2016 with 5,000:1 odds of clinching the Premier League title.

Applied Data Science Capstone | **Certificate** | **Link**   October 2023

- Web-scrapping, data wrangling, exploring, preparing, loading dataset for machine learning model development
- Applied logistic regression-based machine learning model with 85% accuracy, predicting the likelihood of first stage rocket landing successfully to estimate the cost of a launch.

CERTIFICATES

Data Analysis with Python | **Certificate**   June 2024

- Extracted and loaded data from CSV files, using Numpy, Pandas, Matplotlib, and Seaborn libraries to process, analyze, and visualize dataset.

Scientific Computing with Python | **Certificate**   June 2024

- Applied fundamental concepts of scientific computing and complex calculations, including data structures, algorithm, OOP functions, loops, conditional statements, and dictionary and list comprehensions.

Relational Database Developer | **Certificate**   May 2024

- Created and used a relational database with PostgreSQL and SQL, combining information from multiple tables

Data Science Professional Certificate | **Certificate**   October 2023

- Developed a comprehensive understanding of fundamental hands-on skills in data science and machine learning.
- Utilized data science tools, including Python and SQL, to perform data visualization and analysis and create machine learning models

Orange County, CA