Jacob Der

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○ Github in LinkedIn

↖ Portfolio

Profile

I am a budding data scientist with a strong mathematics background and experience using popular data analysis tools such as Python, SQL, and R. Currently I am seeking entry level work as a data analyst or data engineer in order to sharpen my skills and learn new ones.

Professional Experience

Data Analyst   Jul 2020 – Jan 2021
Verified Nutrition   Los Angeles, CA
- Designed, implemented, and maintained data pipelines
  - Tested REST API requests with Postman
  - Authored ETL work with Python
  - Warehoused data in Snowflake
- Achieved 75% time reduction for regular reports through automation with Python
- Performed exploratory analysis and regression on business data

Projects

SF City Employee Salaries Dashboard ☐
Deployed R Shiny dashboard detailing the compensation of SF city employees

Student Performance Prediction ☐
Correctly predicted 68% of student exam performances using Scikit-learn

Image Classifier ☐
Detected the presence of faces in images with a convolutional neural network

Skills

Programming   ● ● ● ● ○   **Data Visualization**   ● ● ● ● ○
Python, SQL, R   Tableau, R Shiny, Matplotlib, Seaborn

Machine Learning   ● ● ● ○ ○   **Mathematics**   ● ● ● ● ●
Regression, classification, deep learning   Linear algebra, statistics, calculus

Education

Mathematics / MA   Aug 2018 – May 2020
University of Southern California   Los Angeles, CA

Mathematics / BA   Aug 2014 – May 2018
San Francisco State University   San Francisco, CA

Interests and Hobbies

Rock climbing • Philosophy • Jazz • Cooking and baking