

Jacob Der



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Profile

I like to think of myself as a budding data scientist with the ability to ask the right questions and pick correct solutions due to my robust background in mathematics.

Work Experience

Verified Nutrition

Data Engineer/Analyst

07/2020 – 01/2021 | Los Angeles

- Designed, implemented, and maintained data pipelines with Python, Snowflake.
- Tested REST API requests with Postman.
- Maintained a SQL database in Snowflake with Python.
- Performed exploratory data analysis on business data.
- Automated reporting to increase visibility of analytics.

University of Southern California

Teaching Assistant

08/2018 – 05/2020 | Los Angeles

Skills

Programming

Python, SQL, Git CLI and Github

Machine Learning

Standard algorithms with scikit-learn, deep learning with PyTorch and Keras/Tensorflow

Mathematics

Linear algebra, probability, calculus, combinatorics

Projects

Bag-of-words Implementer

- Developed a Python library to
 - clean various types of text data
 - apply a bag-of-words transformation
- Published the library to PyPi

Image Classifier

- Used PyTorch to create a small Python module for image classification using a CNN

Education

MA in Mathematics

University of Southern California

08/2018 – 05/2020 | Los Angeles

BA in Mathematics

San Francisco State University

08/2014 – 05/2018 | San Francisco

Certificates

Python for Data Science and Machine Learning Bootcamp

Instructor – Jose Portilla

Interests

Rock climbing | Philosophy | Cooking

Reading | Old School Runescape