

Matthew Kang

Aspiring data engineer, passionate about creating robust data pipelines for an information driven world.

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EXPERIENCE

Coding Instructor

2021 - Present

Hackingtons | Pleasant Hill, CA

- *Introduce children to coding through a visual programming language developed by MIT called Scratch.*
- *Teach static web development (HTML/CSS/JavaScript) to students through project-based learning.*
- *Teach web app development to students through Python (Django / Flask).*

PROJECTS

Big Data Analysis of Chicago Taxi Cab Driver Data

- *In this project, my teammates and I analyzed the Chicago Taxi cab data set. This data set contains 25 million entries. (~ 30GB CSV file)*

Machine Learning Algorithms Performance Testing

- *In this project I tested the performance of K-NN, SVM, and Logistic Regression on three different data sets. (9 trials total). Hyperparameter tuning was used to find the optimal configuration for K-fold cross validation.*

ETL Pipeline #1

- *A project ETL pipeline that I created. It intakes messy CSV or XYZ files, and outputs a clean CSV with extracted metadata and null values removed. The program is run via CLI.*

All projects can be viewed at github.com/matthewjkang

EDUCATION

University of California San Diego | Bachelor of Science, Machine Learning

2017 – 2021

- *Eleanor Roosevelt Honors Program, Design Club, Triton Barbell*

SKILLS

- *Python, Pandas, Pytorch, Matplotlib, NumPy, Scikit-Learn, Django, Flask*
- *SQL, PostgreSQL, PgAdmin, MYSQL, SQLite*
- *HTML, CSS, JavaScript, Scratch*
- *Jupyter, GitHub, Visual Studio Code, Figma, Adobe Lightroom, Adobe Photoshop, Excel*

CERTIFICATIONS

- *Python3 – Codecademy*
- *SQL – Codecademy*

INTERESTS

Weightlifting, Bay Area restaurants (Ask about my spreadsheet of local eats), Golden State Warriors, photography, farmers markets, repairing my 20-year-old Camry, and spending time with my girlfriend.

Personal website: mattkang.com