Matthew J. Kang

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EDUCATION

University of California San Diego   **2017 - 2021**
B.S. Machine Learning, minor in Data Science
- *Eleanor Roosevelt Honors Program, Provost Honors, Design Club, Triton Barbell*
- *Coursework:* Data Structures and Algorithms; Machine Learning Algorithms; Data Modeling and Analysis; Data Science in Practice

EXPERIENCE & PROJECTS

Coding Instructor   **2021 - Present**
Hackingtons | Pleasant Hill, CA
- *Introduce students to programming via Scratch, a programming language developed by MIT.*
- *Teach web development (HTML/CSS/JavaScript) using project-based learning.*
- *Show students how to build web applications with Python, Django, and Flask.*

ETL Pipeline   **Sept 2021**
Voltaiq | Berkeley, CA
- *Designed an ETL pipeline that intakes obfuscated CSV or XYZ files, and outputs a clean text file with metadata extracted and null values removed. Completed as contract work for a battery intelligence start up.*

Machine Learning Algorithms Performance Testing   **Dec 2020**
UC San Diego | Supervised Machine Learning Algorithms
- *Calculated performance analytics of K-NN, SVM, and Logistic Regression on various datasets.*
- *Optimized configuration for K-fold cross validation using hyperparameter tuning.*

Big Data Analysis, Chicago Taxicab Dataset   **Mar 2020**
UC San Diego | Data Science in Practice
- *Performed statistical analysis on 25 million entries of the Chicago Taxicab data set using python.*
- *Computed taxi trip duration as the greatest factor affecting taxi tip by using hypothesis testing.*

Bookstore Clerk   **2019 - 2020**
UC San Diego | La Jolla, CA
- *Sold necessities such as textbooks, stationary, and foodstuffs, handling nearly one hundred transactions daily.*
- *Performed these duties as an essential worker during the covid-19 pandemic.*

TECHNICAL SKILLS

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

INTERESTS & MEDIA

- *Weightlifting, Golden State Warriors, exploring bay area restaurants, farmers markets, festivals, and parades.*
- *Intermediate fluency in French and Korean.*
- *GitHub: https://github.com/matthewjkang*
- *Personal website: https://mattkang.com*