Ming Senn Teo

Berkeley, CA • mingsennteo@berkeley.edu • (628) 758-5826

EDUCATION

University of California, Berkeley Berkeley, CA
Bachelor of Arts, Data Science | GPA: 3.69 / 4.00 **August 2022 - Present**
Domain Emphasis: Economics
Relevant Coursework: Foundations of Data Science, Data Structures in Java, Computational Structures in Data Science

SKILLS

Programming Languages: Python, C++, Java, SQL
Libraries & Tools: Numpy, Seaborn, Matplotlib, Pandas, Plotly, Scikit-learn, Git, Jupyter, VS Code
Language: Malay and Mandarin Chinese (11 years of formal education)

EXPERIENCE

UC Berkeley EECS Department Jan 2023 - Present
CS 88 Academic Intern

- Assist GSI with teaching a weekly lab section of 30 students
- Supplied additional tutoring to students regarding course content such as homework and projects during sections
- Handles office hour queue, providing 1-on-1 guidance to students on their assignments.

UC Berkeley Computing, Data Science, and Society Jan 2023 - Present
Data 8 Academic Intern

- Assist GSI with teaching lab sections to 40 students
- Help students on any questions relating to debugging or conceptual help with labs and projects
- Topics covered include programming fundamentals, multiple linear regression, least squares, building classifiers, and designing experiments

Samsung Innovation Campus (SIC) AI Program November 2021 - April 2022
Project Leader

- Organized workflow for two other team members in designing, coding, and implementing an ML model
- Explored methods such as ARIMA on creating a forecasted projection for Air Quality Index
- Communicated project status updates to the supervising team at SIC on a weekly basis

PROJECTS

Effect of COVID on California Air Quality - *Jupyter Notebook*

- Aggregated and prepped 20 years of US Air Quality Index data with a total of **200000+ rows** from the US EPA official website for analysis
- Performed EDA to analyze trends and find correlations between the air pollutants using Pandas, Seaborn, Matplotlib and StatsModel
- Conducted statistical analysis using Scipy to identify key insights about the air pollutant patterns within the last five years

Movie Genre Classifier - *Jupyter Notebook*

- Utilized k-nearest neighbor algorithm to classify any movie with their genres based on the frequency of certain words that appeared in the script
- Implemented word-stemming in order to improve classification results
- Achieved over 80% classification accuracy using a subset of the IMDB database