Kyle Hays

San Jose, CA

(408) 691-4161

kyle.m.hays@gmail.com

https://www.linkedin.com/in/kylehays800/

https://github.com/CruddyShad0w

Education

California State University at Monterey Bay

B.S. in Computer Science - Data Science • Graduated: *Fall 2019*

Experience

Visions in Education

Full Stack Developer - September 2020 - Current Employer

- Developed enterprise and customer-facing web applications in **Angular** and **Python** to support student enrollment tracking and physical asset tracking at Californias largest charter school. Delivered complex enrollment tracking tools to enhance productivity and meet business needs. Delivered a physical asset tracking and repair tracking system that met government standards while adhering to a strict deadline. Utilized **Python**, **MySQLAngular (Typescript/Javascript)**, **cXML**, **GIT**, **WSL**, and **Linux** in a **full stack** environment.

UC Berkeley Extension

Teacher Assistant - April 2020 - November 2020

- Proactively mentor and track student progression; provide technical assistance and layman explanations of key concepts used in **full-stack data engineering**, **analytics**, and **visualizations** in **Python**, **SQL**, and **JavaScript**

Capital Insurance Group

Data Analyst - September 2019 - December 2019

- Developed a Data visualization dashboard in **PowerBI** to track **KPI's** related to call center performance. Included metrics such as issue tracking, average handle time, and key issue influencer to improve response time in the call center. Developed an **ETL pipeline** linked between **PowerBI** and **Jira** to extract data for visualization.

California State University Monterey Bay

Teacher assistant - August 2019 - December 2019

- Proactively mentored students in advanced **machine learning** and **neural network** concepts. Provided technical assistance on key concepts used in **machine learning**, **statistics**, **data engineering**, and **data visualization**.

Community Bridges

Data Analyst - February 2019 - May 2019

- Developed a report to highlight funding, demographic, and services rendered for Community Bridges. Provided the means to obtain more government grant's to supplement revenue to increase services rendered. Developed an **ETL pipeline** to ingest data from a **data lake** for analysis. Provided plots developed in **matplotlib** and **seaborn** in a **Jupyter Notebook** for detailed analysis.

Projects

Stock Trade Analytics Dashboard *(Angular / Flask / Python / MongoDB)*

- Developed a dashboard for stock traders to monitor and execute live trade's on the stock market. Built in **Angular** utilizing **microservice** architecture in the backend. Contains a **Python/Flask API** endpoint for live stock trading as well as **Java/MongoDB** for user credentials and data storage.

Soccer Match Outcome Prediction *(Python / JavaScript / PHP / HTML)*

- Website developed in **HTML**, **JavaScript**, **AJAX** and **PHP** to allow users to get Soccer match predictions utilizing **machine learning**. Developed with **Microservice** architecture to host M.L. predictions on a **Flask** endpoint. Match insights were generated from multiple ML models including **Gaussian Naive Bayes**, **random forest**, **K-nearest-neighbors**, and **Gradient Boost**. Generated an **SQL** relational database for data and user storage on Maria DB.

Polr *(Angulart / Java)*

- Constructed an app that brings modern convenience to our democratic process by providing multiple avenue for seamlessly finding detailed polling information. Utilized **Angular** combined with **microservice** architecture with a **Java/Spring boot** backend. Integrated SMS functionality using **Twilio's** Messaging platform. Successfully deployed using **Heroku** and **git-lab**