Kayden Lea

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TECHNICAL SKILLS

Programming Languages: Python, R, Java   **Libraries:** pandas, matplotlib, scikit-learn, TensorFlow
Databases: MySQL, MongoDB, XML, Hadoop   **Applications:** Tableau, AWS, Jupyter Notebooks

WORK EXPERIENCE

Data Science and Operations Office Student Worker
USC Marshall School Of Business, Los Angeles, CA   August 2021-Current
- Researching, compiling data, updating spreadsheets, and producing timely reports for Data Science professors
- Producing high-quality documents, spreadsheets, and presentations for internal and customer-facing needs

Coding Instructor
Code Ninjas, Irvine, CA   June 2022-Current
- Instructing classes of 10-20 students grades 1st-6th on computer science concepts and programming from block coding to python programming
- Taught basic game development concepts through Minecraft and Roblox modding/game creation

Machine Learning Intern
Glidewell Laboratories, Irvine, CA   Summer 2019
- Analyzed data for image classification (reading RX files of dentists)
- Supported senior data scientists and machine learning engineers with facial recognition programs for employee identification
- Presented findings and research to the CEO and board of executives at Glidewell Laboratories

PROJECTS

Air Quality Prediction   github.com/kaydenlea/airquality
- Exploration of data using various data visualization techniques with pandas
- Using sklearn for linear regression prediction finding a positive correlation between PT08.S5(O3) and C6H6(GT) with an R-squared value of .96

Johnny Depp and Amber Heard Sentiment Analysis   github.com/kaydenlea/johnnyamber
- Using the Twitter API to analyze a set of 200 recent tweets at a time using TextBlob to analyze for sentiment analysis by comparing the overall language polarity between the subjects of Johnny Depp and Amber Heard

EDUCATION

University of Southern California, Los Angeles, CA   2020-2024
Viterbi School of Engineering   Bachelor of Arts, Data Science
Dornsife College of Letters, Arts and Sciences   Bachelor of Arts, Environmental Studies