Ryan Voda

818-370-1304 | rvoda@ucla.edu | linkedin.com/in/ryan-voda | ryanvoda.github.io

Education

University of California, Los Angeles Sep. 2020 – June 2024
Bachelor of Science in Mathematics; GPA:3.75 *Los Angeles, CA*

- Coursework: Introduction to Computer Science, Python with Applications, Linear Algebra, Real Analysis, Introduction to Probability, Calculus of Several Variables, Differential Equations

Experience

Research Assistant Mar. 2021 – June 2021
Data Analyst *Los Angeles, CA*

* Cleaned and interpreted CHIS-2020 data in Python using pandas and numpy.
* Found correlations with linear regression in scikit-learn.
* Verified findings with scipy statistical tests such as spearmanr and chisquare.
* Visualized data analysis using plotly and matplotlib.

Mathematics Tutor Aug. 2018 – June 2020
High School Volunteer *Northridge, CA*

* Prepared individual lessons for students on mathematics topics ranging from Algebra to Calculus II.
* Organized sessions to walk through tests and homework assignments with groups of students.

Projects

Fantasy Soccer Team Generator | *Python* July 2022 – Present

* Scraped and cleaned data using BeautifulSoup to obtain pandas dataframe containing player statistics.
* Optimized team for maximum projected points when given constraints and game rules via Linear Programming.
* Added function to transfer players and make updated team decisions for contemporary gameweek.

Milk Grade Classification | *Python* Aug. 2022

* Imported kaggle dataset to predict milk quality using categorical and quantitative characteristics of milk.
* Cross-validated feature selection tests to find the strongest predictive features of milk grade.
* Conducted hyperparameter tuning to apply results on several appropriate Machine Learning models.

Salary Data Dashboard | *Tableau* Aug. 2022

* Extracted multiple datasets to create an interactive dashboard displaying salary metrics.
* Presented different visualizations for users to easily understand information, such as income as it relates to major, school, and school type.

Penguins Species Predictor | *Python* Feb. 2022

* Worked with team to build optimal Machine Learning model for predicting penguins species from the Palmer Penguins dataset.
* Performed data analysis and visualization to narrow down our selection of features.
* Created function to automatically clean and prepare data for train/test split.
* Evaluated performance of several models, such as Random Forest, Logistic Regression, and Clustering.

Technical Skills

Languages: Python, C++, R
Technologies: Tableau, Excel, SAS
Other: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Mosaic, Git