

Ryan Voda

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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. 2022 – June 2022

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, SQL

Technologies: Tableau, Excel, SAS

Other: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Mosaic, Git