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

EXPERIENCE

Data Analyst   Mar. 2022 – June 2022
Research Assistant   *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.

Data Analyst   Sep. 2021 – Present
UCLA Esports Analyst (Overwatch)   *Los Angeles, CA*
- ∗ Analyzed player statistics from scrimmages to identify patterns and trends that contributed to losses.
- ∗ Created visualizations with Excel to evaluate relative team strengths and visualize strategies.
- ∗ Led the team in developing and implementing plans based on findings, leading to improved performance.

Teaching Assistant   Present
Calculus III T.A.   *Los Angeles, CA*
- ∗ Supported professor by grading assignments and exams.
- ∗ Held office hours to simplify difficult concepts for students.
- ∗ Led review sessions in weekly discussion sections and created a positive learning environment.

PROJECTS

Fantasy Soccer Team Generator | *Python*   July 2022 – Present
- ∗ Scraped and cleaned data from https://fplform.com/fpl-predicted-points using BeautifulSoup to obtain player statistics.
- ∗ Optimized team for maximum projected points when given constraints and game rules via Linear Programming.
- ∗ Implemented a feature that updates the team each week and makes appropriate transfers.

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.

Citation Generator and Converter | *JavaScript, HTML*   Dec. 2022
- ∗ Created website that generates bibliography citations for books and websites in MLA/APA format.
- ∗ Developed a citation converter that allows the user to easily translate between formats.

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, JavaScript, C++, SQL, R, HTML
Technologies: Tableau, Excel, SAS
Other: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Mosaic, Git