Ryan Voda

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EDUCATION

University of California, Los Angeles — Sep. 2020 – Dec. 2023
Bachelor of Science in Mathematics; GPA: 3.79 — *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 — *Los Angeles, CA*

- Analyze player statistics from scrimmages to identify patterns and trends that contributed to losses.
- Create visualizations with Excel to evaluate relative team strengths and visualize strategies.
- Lead the team in developing and implementing plans based on findings, leading to improved performance.

Learning Assistant — Present
Calculus III L.A. — *Los Angeles, CA*

- Support professor by grading assignments and exams.
- Hold office hours to simplify difficult concepts for students.
- Lead review sessions in weekly discussion sections and established a positive learning environment.

PROJECTS

Fantasy Soccer Team Generator | *Python* — Jul. 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

- Constructed a 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.
- Designed a 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, MATLAB, C++, SQL, R, HTML
Technologies: Tableau, Excel, SAS
Other: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Mosaic, Git