Nicholas Liagridonis

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EDUCATION

The University of Chicago **Chicago, Illinois**
Bachelor of Arts in Data Science June 2024

SKILLS

Programming Languages: Python, R, SQL
Applications: Microsoft 365, Jupyter Notebook, Snowflake, Github, Tableau, ShinyApps
Methodologies: Data Visualization, Regression Analysis, Time Series Analysis

WORK EXPERIENCE

Sacramento Kings **Sacramento, California**
Business Intelligence Intern June 2024 – Current

- Developed and implemented a data pipeline connecting vendor APIs to an in-house data lake, successfully ingesting, cleaning, and exporting over 1 million rows of consumer data
- Enabled the Kings to gain access to previously unavailable food and beverage data, driving improvements in discount and loyalty programs, product sales analysis, and targeted marketing efforts
- Created actionable insights through advanced SQL querying and interactive Tableau dashboards, enhancing corporate partnership and marketing strategies

Argonne National Laboratory/Fermilab **Chicago, Illinois**
Student Researcher September 2023 –March 2024

- Optimized Argonne's internal software tools by enhancing an ensemble algorithm to match project planning documents with safety procedures, significantly improving workplace safety
- Implemented Argonne's existing NLP software to Fermilab's data, ranking thousands of project planning documents' similarity scores with matching safety procedures
- Strategized in collaborative meetings with Argonne staff and student cohort to integrate a large language model to enhance the quality of the matching algorithm
- Adhered to strict coding standards and a thorough code review process

University of Chicago Men's Basketball Team **Chicago, Illinois**
Data Analytics Intern/ Student Assistant July 2022 – February 2024

- Developed a software tool for coaches use to analyze players' halfcourt decision making, displaying pass percentage vs shooting/driving for single games as well as season totals
- Thoroughly analyzed film data to develop a written report pinpointing 4 achievable statistical benchmarks that increased our winning percentage in the past season, and showed my findings to the players in a presentation with the coaching staff

TECHNICAL PROJECTS

Neural Networks and Machine Learning Project **Chicago, Illinois**
Student February 2023 – March 2024

- Engineered a predictive model using neural networks and LASSO regression to forecast NBA MVP award winners, achieving 80% accuracy in correctly identifying the MVP, and 99% accuracy in predicting the top two candidates
- Cleaned and scraped NBA advanced statistical data over 40 years with ~13,000 rows, and conducted Synthetic Minority OverSampling Technique (SMOTE) to address class imbalances