

Nicholas Liagridonis

(217) 693-9606 | NLiagridonis@UChicago.edu | Chicago, Illinois
nliagridonis.com | linkedin.com/in/nicholasliagridonis

EDUCATION

The University of Chicago
Bachelor of Science in Data Science

Chicago, Illinois
June 2024 (Expected)

SKILLS

Programming Languages: Python, R, SQL

Applications: Jupyter Notebook, MS Office, Github, ShinyApps

Methodologies: Data Visualization, Regression Analysis, Time Series Analysis

RELEVANT EXPERIENCE

University of Chicago Men's Basketball Team

Chicago, Illinois

Data Analytics Intern/ Student Assistant

July 2022 – Present

- 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
- Applied a range of statistical techniques, including regression models and significance tests to model progressive player performance and displayed results to coaches with easily digestible visualizations
- Created pre-game scouting reports and post-game summaries, integrating data from a variety of sources, including Synergy, our private database, and manually calculated data from film

ACADEMIC EXPERIENCE

Argonne National Laboratory/Fermilab

Chicago, Illinois

Student Researcher

September 2023 – Present

- 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 drastically differently formatted data, ranking thousands of their project planning documents similarity scores with matching safety procedures
- Strategized in collaborative meetings with Argonne staff and student cohort to engineer their data pipeline and produce compelling deliverables to present our work to Fermilab

University of Chicago Memory Lab

Chicago, Illinois

Research Assistant

September 2021 – February 2022

- Managed large-scale volumes of data from lab participants
- Handled and protected confidential information, including research participant medical information and laboratory research data

TECHNICAL PROJECTS

Predictive Modeling Project in Python

Chicago, Illinois

Student

October 2022 – January 2023

- Created a predictive regression model that used U.S. Census Data to predict Individual Income
- Cleaned and scraped U.S. Census Data originally with ~150,000 rows and ~1,000 columns
- Designed a collection of data visualizations to present findings, including histograms, kNN classification model plots and regression lines, displaying our results in a poster presentation