

Atticus Ginsborg

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EDUCATION

THE UNIVERSITY OF CHICAGO

Chicago, IL

Masters of Science in Data Science

Expected December 2025

- Courses: Data Interaction, Foundations of Machine Learning, Data Systems and Design, Data Engineering and Scalable Computing, Stochastic Processes, Intro to GIS and Spatial Analysis, Distributed and Federated Learning

UNIVERSITY OF CALIFORNIA, BERKELEY

Berkeley, CA

Bachelor of Arts with High Distinction in Data Science and Economics (GPA: 3.94/4.0)

August 2024

- Courses: Principles and Techniques of Data Science, Probability Theory, Machine Learning, Linear Algebra, Multivariable Calculus, Data Mining and Analytics, Data Structures and Algorithms, Data Engineering

SKILLS

Computing: Python (pandas, scikit-learn, PyTorch, HuggingFace Transformers), Jupyter, R, SQL (Postgres, duckDB, BigQuery), MongoDB, D3.js, Tableau, Databricks, Google Cloud Platform, Google & Microsoft Suite, Git, Github, Java
Knowledge: Machine Learning, Statistical Modeling, Data Analytics, Data Visualization, Econometrics, Sports Analytics

EXPERIENCE

UC BERKELEY COLLEGE OF COMPUTING, DATA SCIENCE, AND SOCIETY

Berkeley, CA

Lecturer

May 2024 – August 2024

- Developed materials and gave twice weekly lectures on python and statistics for 30 students new to data science
- Managed a course staff of two tutors and one TA; taught them grading and pedagogical best practices

NATIONAL BASEBALL HALL OF FAME AND MUSEUM

Cooperstown, NY

Data Intern

May 2023 – August 2023

- Used python to create regression models and visualizations which were presented to Hall of Fame execs producing new insights into museum visitor trends increasing their ability to improve staffing and outreach
- Researched and presented on two Beep Baseball (baseball for the visually impaired) artifacts to raise awareness for 50+ museum visitors per presentation. Presentations attained highest marks and attendance among my intern class

UC BERKELEY COLLEGE OF COMPUTING, DATA SCIENCE, AND SOCIETY

Berkeley, CA

Lead Teaching Assistant

January 2021 – May 2024

- Ran course logistics (email, exams, disputes) for class of 1400+ data science students. Developed new assignments and exams. Oversaw the training of new tutors, many of whom went on to become Lead Teaching Assistants.
- Recognized as highly effective by data science department and through student evaluations

PROJECTS

Teacher's Pet AI Chatbot

March 2025

- Scraped and processed the textbook and course materials for DS 118 at UChicago using pdfplumber in python
- Developed a Streamlit-based interface in Python to help DS 118 course staff efficiently query and extract summaries of relevant course materials improving the ability of course staff to adjust to a new course and answer questions
- Utilized the all-MiniLM-L6-v2 model to embed course materials and extract the most relevant ones to the user query. Then used a version of DistilBART to summarize the relevant sentences and output the summary to the user.

Analysis of NBA Draft Propsects

February 2025

- Designed ELT pipeline using python and BigQuery to enrich NCAA pbp data provided by Sportradar with public nba data using fuzzy matching techniques for merging and calculated key box score player statistics from pbp data
- Built queries to automatically flag errors in play by play data using BasketballReference data as a second source
- Trained a kNN model to develop a player comparison tool for use by basketball analysts to evaluate prospects

Leadership of Sports Analytics Group at Berkeley

Sep 2020 – May 2024

- Club President and Vice President of Data Journalism; lead technical training; edited [articles](#) for data journalists
- Wrote an [article](#) using pandas and matplotlib (python) to analyze and visualize trends in MLB player promotion

ADDITIONAL INFORMATION

Eagle Scout: Fundraised \$5300; lead a team in construction of a roof over the Willow Glen Little League Batting Cage