Arnav Prasad

arnavprasad@uchicago.edu   +1 (339)-927-4097

EDUCATION

University of Chicago   Chicago, IL
Bachelor of Science in Mathematics and Statistics   Expected 2022
Graduate-Level Coursework: Artificial Intelligence, Natural Language Processing

WORK EXPERIENCE

Citadel LLC – Global Equities Group   Chicago, IL
Trading Intern   Jun 2020 – Present
- Applying advanced statistical techniques and fundamental research principles to trading on equity markets
- Building upon trading approaches by leveraging knowledge of financial markets, AI, and technology

University of Chicago Booth School of Business – Machine Learning & Asset Pricing   Chicago, IL
Research Assistant – Jeff Metcalf Fellow in Undergraduate Research   Apr 2019 – Present
- Researching machine learning methodologies for application in sports prediction markets with Dacheng Xiu, Professor of Econometrics and Statistics (https://dachxiu.chicagobooth.edu)
- Modeling unstructured data in player scouting reports with NLP
- Assist with model development, data collection, and paper editing in econometrics and asset pricing research

Los Angeles Dodgers – Baseball Research & Development   Los Angeles, CA
Associate Quantitative Analyst   Jun 2019 – Sept 2019
- Developed statistical/machine learning models to support player evaluation, development, and strategic decision-making using Python/R/SQL
- Improved asset value projections and simulations for minor league and major league players

Broad Institute of Harvard-MIT & Harvard Medical School   Cambridge, MA
Research Assistant   May 2016 – Sep 2017
- Researched rare diseases through genomic data & wetlab biology methods, specifically with quantitative analysis in R Studio and cell-engineering with CRISPR
- Studied aging and origin of life through RNAi approaches at Harvard Medical School

ON-CAMPUS ACTIVITIES

Research and Analytics - UChicago DIII Men's Basketball   Chicago, IL
Lead Researcher   Oct 2018 – Present
- Coordinate with the coaching staff & players to integrate analytics with basketball strategy and game-plans
- Build and implement advanced technologies to collect and analyze novel data (e.g. computer vision for player tracking, shot mechanics)

University of Chicago Sports Analytics Group   Chicago, IL
President and Director of Research   Oct 2018 – Present
- Lead statistics research in the University of Chicago Sports Analytics Group, educate new members in the club, and organize guest lectures/events for the public (80+ person events)
- Promote research and analytics consulting partnerships with professional sports teams

AWARDS AND HONORS
- Featured researcher at the 2020 Seattle Sounders Analytics Conference ("On Knowledge Graphs and Ontologies in Soccer Scouting Reports") – May 2020
- Featured essayist for "After You," a SMART Museum exhibit on computer-driven creativity – May 2020
- 2nd Place in Algorithmic Options Market-Making Competition in the Midwest Trading Competition
- Winner in the 2020 MIT Sloan Sports Analytics Conference Hackathon by ESPN ("Imputing Shot Arcs for Enhanced Shot Evaluation") – March 2020
- Selected fellow in the UChicago Financial Markets Program, highly-selective career program involving enrollment in graduate-level classes in academic finance, quantitative trading, and market-making
- Published award-winning review in *The New York Times* on video-game portrayals of AI – December 2017

ADDITIONAL INFORMATION

Computer: Proficient in Python, R, SQL, Excel; Applied Knowledge in C++, MATLAB
Hobbies/Interests: Competitive Billiards, Rowing, Skiing (Alpine & Nordic), Poker, Podcasts