Permanent Address:

Brian G. Papiernik

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Education

University of Notre Dame, Notre Dame, IN   August 2017 - May 2021
- Bachelor of Business Administration in Finance   3.4 cumulative GPA
- 2020 Spring Semester Dean's List in Mendoza College of Business
- Extracurricular Activities: Member - Student International Business Council, Ronald McDonald House, Special Olympics, Interhall Basketball Captain, Dorm Food Sales, Bengal Bouts Boxing Club

University of Notre Dame – Mendoza Graduate School, Notre Dame, IN   June 2023 – May 2024
- Master of Science in Business Analytics – Sports Analytics concentration   3.95 cumulative GPA

Work Experience

Tampa Bay Rays, Baseball Technology Operator   March 2022- October 2023
- Assist in the operation of HawkEye and KinaTrax before and during the game
- Process and organize contextualized and uncontextualized HawkEye data correctly during the postgame checks
- Develop a regression model based on each player's Statcast data to estimate if the batter undervalued

Varsity Baseball Student Manager – University of Notre Dame   September 2017- July 2021
- Prepare and set up each practice, game, and traveling days for 50+ players, coaches, or Irish media each week
- Record practice and game analytical data and assemble each player's important statistical databases through RVP, Rapsodo, Edgertronic, Trackman, and Tableau for all the coaches and 35+ players
- Contribute to data visualizations efforts for player development purposes within our Tableau database
- Assist with creation of Trackman data-driven scouting reports for opposing hitters and pitchers through Synergy

Levin & Brend PC, Client Data Analyst, Chicago, IL   May 2018-Present
- Office file organization project - organize and place client legal, tax, accounting and family law documents into each client's online database
- Review client financial documentation and determine classification for business or personal use for tax and business valuations
- QuickBooks data evaluation for tax reports and business valuations
- Assist with preparation of client investment analysis through cleaning their financial statements and bank charges

Chicago Mercantile Exchange Group, Corporate Procurement Internship   June 2020-August 2020
- Research daily about the CME Group's derivatives and futures products for their market
- Create company order-from connections for possible 7000+ CME suppliers through Workday and Excel
- Prepare and organize CME Group's database on Workday and Jira

CourtViz, CEO and Founder   https://court-viz.vercel.app/ June 2025 – Present
- Built a full-stack NBA analytics website using Next.js, Supabase, and Python, featuring interactive player profile pages with advanced metrics and contextual percentile visualizations
- Engineered a fully automated data pipeline to update player stats daily from the NBA API into Supabase

Skills

NBA Tracking Data Injury Prevention Project   https://github.com/bpapiernik/NBA-Player-Tracking-Injury-Project
- Develop an XGBoost model to analyze NBA player movements and play-by-play usage metrics to improve injury prevention and load management strategies
- Integrate and analyze the diverse data sources: NBA tracking data spanned 6.8 million rows over 39 games
- Identify key variables affecting player injuries and provide insights for adjusting training methods

March Madness Simulation Project   https://github.com/bpapiernik/March-Madness-Simulation
- Develop an XGBoost model using advanced basketball Torvik metrics, Elo Ratings, and Bayesian Performance Ratings of the top 8 players from each March Madness team over the past 10 years
- Utilize a dataset comprising 10 years of historical performance game data to train the model and run 10000 sims
- Leveraged the model to analyze and predict the 2024 tournament to calculate round advancement probabilities

MLB Pitch Clustering Project   https://github.com/bpapiernik/The-Science-of-Pitching-Clustering
- Conduct an analysis on pitching strategies by clustering pitch types using advanced statistical methods to analyze performance impact across various game situations
- Utilize machine learning techniques to segment pitch data effectively for insights into different pitching strategies
- Develop predictive models for pitching tactics to enhance game-day decisions and overall team performance

Proficient in SQL, Python, Rstudio and Microsoft Office, Excel, Access, and PowerPoint

Experience with QuickBooks, VBA, Tableau, AWS cloud services

Interests: Sports Management, Business side of sports, Coaching, High school sports, Chess