David Gerth

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EDUCATION

Indiana University, Bloomington <div align="right">Bloomington, IN</div>
Master of Statistical Sciences <div align="right">*August 2024 – May 2026*</div>
- Relevant Coursework: Bayesian Theory, High Dimensional Statistics, Linear Models, Statistical Computing, Statistical Theory
- Fully funded through Graduate Teaching Assistantship

Indiana University, Bloomington <div align="right">Bloomington, IN</div>
Bachelor of Arts in Economics and Mathematics <div align="right">*August 2018 – May 2022*</div>
- Relevant Coursework: Bayesian Analysis, Differential Equations, Econometrics, Probability Theory, Linear Transformations
- Teaching Assistant for Introduction to Macroeconomics and Finite Mathematics

WORK EXPERIENCE

Baseball Analytics Intern <div align="right">Boston, MA</div>
Boston Red Sox <div align="right">*May 2025 – August 2025*</div>
- Developed a free agency simulation in R to value players and forecast signings under various team and market constraints
- Worked within the Player Valuation group and assisted with ad hoc requests

Contributing Writer <div align="right">Remote</div>
FanGraphs <div align="right">*January 2025 – May 2025*</div>
- Provided scouting notes behind the scenes on 100+ players eligible for the 2025 MLB Draft
- Published weekly articles profiling college baseball draft prospects from a data driven perspective

Contributing Writer <div align="right">Remote</div>
Down on the Farm <div align="right">*January 2023 – January 2025*</div>
- Built models and visuals in R for various research projects related to minor league baseball
- Wrote data driven articles on standout players in Minor League Baseball

Compliance Analyst <div align="right">St. Louis, MO</div>
NISA Investment Advisors <div align="right">*June 2022 – July 2024*</div>
- Wrote SQL queries to automate data collection for various compliance reports
- Managed checks to ensure trades were within client guidelines on a daily basis
- Reviewed and created rules in Charles River IMS to reflect client trading guidelines

Player Personnel Consultant <div align="right">Evansville, IN</div>
Evansville Otters <div align="right">*January 2017 – July 2022*</div>
- Provided scouting notes on hundreds of undrafted college baseball players
- Compiled statistics on college players to aid player acquisitions
- Evaluations resulted in the signings of: Nick Walker (2017), Kyle Griffin (2018), Braden Scott (2021)

SKILLS AND ADDITIONAL INFORMATION

Presentations: Society of American Baseball Research (2021), Saberseminar (2023)
Modeling Techniques: GLM, GAM, Mixed Effects Models, CatBoost
Programming Languages: R, Python, SQL, Stan
Writing: https://dgerth5.github.io/, https://substack.com/@davidgerth5, https://blogs.fangraphs.com/author/davidgerth5/