David Gerth

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EDUCATION

Indiana University, Bloomington — Bloomington, IN
Master of Statistical Sciences — *August 2024 – December 2025*
- Relevant Coursework: Bayesian Theory, High Dimensional Statistics, Linear Models, Statistical Computing, Statistical Theory
- Fully funded through Graduate Teaching Assistantship

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

WORK EXPERIENCE

Boston Red Sox — Boston, MA
Baseball Analytics Intern, Player Evaluation — *May 2025 – August 2025*
- Built a free agency simulation in R to project player signings and contract values under various constraints.
- Designed a Shiny web app to host the simulation, enabling stakeholders to test different scenarios.
- Supported player evaluation efforts with ad hoc analyses for the trade deadline and MLB Draft.

FanGraphs — Remote
Contributing Writer — *January 2025 – May 2025*
- Authored short scouting reports on over 100 players eligible for the 2025 MLB Draft.
- Published weekly articles profiling college baseball draft prospects from a data driven perspective.
- Author Page: https://blogs.fangraphs.com/author/davidgerth5/

Down on the Farm — Remote
Freelance Writer — *January 2023 – January 2025*
- Built models in R for various research projects related to minor and major league baseball.
- Incorporated analytics and video analysis to write articles on standout minor league baseball players.
- Author Page: https://substack.com/@davidgerth5

NISA Investment Advisors — St. Louis, MO
Compliance Analyst — *June 2022 – July 2024*
- 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.

Evansville Otters — Evansville, IN
Player Personnel Consultant — *January 2017 – July 2022*
- Compiled statistics on college players to aid player acquisitions.
- Wrote scouting notes on hundreds of undrafted college baseball players.
- Evaluations resulted in the signings of Nick Walker, Kyle Griffin, and Braden Scott

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/