

# David Gerth

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## EDUCATION

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### Indiana University, Bloomington

Bloomington, IN

*Master of Statistical Sciences*

*August 2024 – May 2026*

- 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

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### 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.

### 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.

### 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 (2017), Kyle Griffin (2018), Braden Scott (2021)

## SKILLS AND ADDITIONAL INFORMATION

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**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/>