

# Spencer Katzman

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## EDUCATION

University of Georgia	Athens, GA
B.S. in Mathematics (Applied Mathematics Emphasis)	May 2027 Expected
B.A. in Economics (Business Analytics Concentration)	GPA: 3.80/4.00
B.S. in Political Science	

## EXPERIENCE

### Independent Contractor

#### Roving Umpire & Baseball Field Maintenance

- Officiated youth travel baseball games, ensuring fair play and adherence to rules.
- Learned to manage difficult situations with “baseball” parents and coaches.
- Maintained baseball fields, demonstrating reliability, teamwork, and managerial/organizational skills.

#### Various Charities (Wounded Warriors Equine Therapy, FurKids ...)

##### Volunteer

- Helped underprivileged children and vets mount horses, cleaned stables, mended fences.
- Served customers, moved heavy items, repaired and organized donations.

## PROJECT EXPERIENCE (selected: all projects reports/paper available at katzman.us)

### A Comparison of Three Versions of Ranked Choice Voting using Computer Simulations 2025

- Coded and compared election simulations using R.
- Proved mathematical theorem about Ranked Choice Voting.
- Wrote and presented final paper at 2025 CURO symposium.

### Ranked-Choice Voting with Different Elimination Procedures (w/ Prof. Keith Dougherty) 2025

- Analyzed real-world RCV results.
- Compared different RCV rule formats using real-world and data simulated in R.
- Coauthoring a paper for publication in an academic journal.
- Presenting results at the 2026 Social Choice national academic conference

### Predictive Modelling 2024

- Refined and analyzed data using RMD and EXCEL.
- Created statistical tables, word clouds and predictive results.
- Wrote and presented final report.

## SKILLS

Data Analytics	Strategic Decision-Making	Mathematics
Stats Software (R, Excel, SQL, Python)	Complex Problem-Solving	Presentation

## HONORS AND AWARDS

Zell Miller Scholarship	Fall 2022 - Present
Phi Beta Kappa	October 2025