# Key points

* Degrees in Economics and Mathematics.
* Wrote an Economics senior thesis involving data analysis.
* Recent Analytics project at https://ritterj57.github.io/.
* Excellent communication skills.
* Extensive experience with Stata and R. Some experience with Matlab and VBA. Familiar with SQL.
* Advanced Excel skills.

# Education GPA: 3.49/4.00

Michigan State University **Sept 2009- May 2013**

ECONOMICS (B.S.); MATHEMATICS (B.S.); *East Lansing, MI*

Honors College Graduate

# Experience

### Technical Services Nov 2013 – March 2014

*Epic Verona, WI*

* Worked with an implementation team to solve technical issues during an install.
* Maintained lines of communication between client analysts, implementation, management, advisors and software development.
* Worked extensively proprietary software and Microsoft outlook.

### Teaching Assistant Sept 2010- August 2013

*MSU Mathematics Department**East Lansing, MI*

* Led two weekly recitations to answer student questions and prepare students for exams with my own notes in addition to presenting material from the lecturer.
* In charge of keeping track of the grades of 50-180 students per semester.
* Interacted with other TAs working for the same lecturer in person and over email to develop uniformity.
* Held flexible office hours for students to receive additional private help and clarify class policies.
* Worked in the Math Learning Center helping students that ranged in skill from remedial math to junior level classes.
* Advised newer TAs

### Research Assistant June 2010 – July 2010 *MSU Lyman Briggs College*

*Funded by the NSA East Lansing, MI*

Games on Graphs: Pursuit and Evasion

* Read papers and books on the games and graph theory.
* Used Maple and Matlab to construct games and subsequent movements and strategies.
* Presented findings in Pittsburg at MathFest.
* Met often with a professor to learn advanced material.

# Skills

**Statistical Analysis**

* Experience using panel data methods, instrumental variables, limited dependent variables and probit and logit models.
* Experience in estimation, testing hypotheses and simple and multiple regression analysis. Have used time series models, data analysis and forecasting.
* Proficient in using Stata in the described areas, have used R for some areas.
* Experienced using ggplot and standard Stata/R libraries to produce informational images.

**Mathematics**

* Able to quickly solve rudimentary problems by hand and explain them using diagrams.
* Coursework included modern advanced topics such as measure theory.
* Able to learn and read new mathematical texts and implement those ideas.

**Programming**

* Python experience using pandas and ggplot packages.
* Basic knowledge of C++ in a GNU/Linux framework with UNIX.
* VBA experience using excel.

**Microsoft Office**

* Used Excel to clean and organize data for use in Stata and R.
* Experience using Outlook to manage large amounts of daily incoming email and schedule meetings.
* Used PowerPoint to present statistical material in my economics senior seminar.

**Communication**

* Adept at keeping multitudes of email conversations organized and respond concisely regardless of system used.
* Takes notes during meetings for future reference and reflection.
* Telephone skills, prepared material for calls to keep them on point.
* Able to accept constructive criticism to improve and refine myself.

**Associations and Awards**

* MSU Honors Colle*g*e
* MSU Alumni Distinguished Scholarship Commended Semi-Finalist
* MSU Academic Scholars
* MSU Economics Association.
* L.C. Plant Award Scholarship
* MSU Math Club

**Hobbies**

* Cooking with basic ingredients.
* Strategy games videos games.
* Programming and mathematics education.
* Playing and listening to music.