Gabriel Mancino-Ball
Applied Mathematics Graduate Student

🌐 gmancino.github.io   📞 (651) 788 0582   ✉ mancig@rpi.edu   ⌽ /gmancino   in /gabriel-mancino-ball

🎓 EDUCATION

Expected 2023   **Ph.D. in Applied Mathematics**   Rensselaer Polytechnic Institute
- Research interests include: machine learning and computational optimization
- Demonstrated practice with algorithm development and algorithm analysis in MATLAB
- Thorough understanding of theoretical approaches to solving optimization problems
- Academic training includes: Theoretical Optimization and Computational Linear Algebra

Spring 2018   **B.S. in Mathematics**   Winona State University
- GPA: 3.9
- Minored in Statistics
- Senior research project involved creating a technical report to summarize the research with several technical talks given on the research as well
- Academic training included: Mathematical Statistics, Probability, and Numerical Analysis

🥧 EXPERIENCE

Fall 2018   **Graduate Teaching Assistant**   Rensselaer Polytechnic Institute
- Recitation leader for Multi-Variable Calculus and Matrix Algebra
- Create and present lessons for 30+ students
- Personalized tutor available to individuals during weekly office hours
- Support coordinating professor, including grading assignments and exams

2016–2018   **Certified Peer Tutor**   Winona State University
- Effectively lead group and one-on-one supplemental instruction sessions on relevant mathematical and statistical subject content
- Consistently met high student demand for help with discrete mathematics, calculus sequence, and introductory statistics

2016–2017   **Teller**   Wells Fargo
- Providing quality service to customers by meeting quarterly payout metrics and customer service metrics
- Awarded "Star Recognition" for creating an exemplary team atmosphere during the merger of two local branches

🎗 TECHNICAL SKILLS

- **Statistical Analysis:** Using R to perform simulation studies and Bayesian computational techniques on data sets
- **Front-End Web Design:** Creating CSS and HTML files for my own website
- **Programming:** Knowledge of Java as an object oriented language
- **Mathematical Software:** Designing numerical algorithms in Mathematica and MATLab
- **Communication:** Creating professional reports with LaTeX; giving technical talks at mathematical conferences

✹ HONORS & AWARDS

- SIAM Vice President - RPI Chapter   Fall 2018 - Present
- Outstanding Graduate in Mathematics   Spring 2018
- Dean's Advisory Council Senior Member   Fall 2017 - Spring 2018
- Mu Sigma Rho Statistical Society Member   Inducted Spring 2018
- Pi Mu Epsilon Mathematical Society Member   Inducted Spring 2017

👥 REFERENCES

Dr. Lee Windsperger	**Dr. Eric Errthum**	**Dr. Silas Bergen**
Winona State University	Winona State University	Winona State University
Associate Professor	Professor	Assistant Professor
lwindsperger@winona.edu	eerrthum@winona.edu	sbergen@winona.edu