

Ryan Yee

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<https://ryanyee3.github.io>

Ph.D. Candidate
University of Wisconsin – Madison
Department of Statistics

EDUCATION	University of Wisconsin – Madison Ph.D., Statistics, Advisor: Sameer Deshpande M.S., Statistics, GPA: 3.9	Madison, WI August 2023 - Present August 2021 - May 2023
	Southern Methodist University B.S., Statistics, GPA: 4.0 B.B.A., Finance, GPA: 4.0	Dallas, TX August 2016 - May 2020 August 2016 - May 2020
RESEARCH INTERESTS	Bayesian hierarchical modeling. Bayesian treed regression. Bayesian nonparametrics. Optimization. Machine learning. Applications in sports.	
PUBLICATIONS	Yee, R. and Deshpande, S.K. (2023). “Evaluating plate discipline in Major League Baseball with Bayesian Additive Regression Trees.” <i>Journal of Quantitative Analysis in Sports</i> . [arXiv:2305.05752]. DOI:10.1515/jqas-2023-0048.	
WORK EXPERIENCE	Technical Solutions Engineer February 2021 - August 2021 Advised hospital IT teams on complex software, data, and reporting issues such as developing command line cleanup utilities for corrupted data and implementing custom data pipelines for reporting financial metrics to business stakeholders. Analyzed customer financial metrics and advised business offices on processes to improve their revenue cycle.	Epic Systems Madison, WI
	Investment Banking Analyst August 2020 - February 2021 Advised on M&A and capital markets transactions for companies in the financials vertical. Built financial models to evaluate the impact of transaction alternatives on company financial statements and created presentation materials to communicate findings to client executives.	Citibank New York, NY
	Quantitative Risk Intern June 2018 - August 2018 Worked on a variety of projects including analyzing firm recruitment data to identify hiring biases, building a notification system to alert portfolio managers when they held options that could be optimally exercised prior to expiration, and contributing to research on the interactions between volatility and equity risk factors.	HBK Investments Dallas, TX
CONFERENCE TALKS	“Evaluating plate discipline in Major League Baseball with Bayesian Additive Regression Trees.” New England Symposium for Statistics in Sports at Harvard University (September 2023).	
CASE COMPETITIONS	(1st Place) SMU DataFest	April 2020
	(1st Place) Chicago Quant Association Portfolio Strategy Pitch	May 2019
HONORS & AWARDS	ASA Sports Analytics Section Student Travel Award	October 2023
	Outstanding Teaching Assistant (Honorable Mention)	May 2022
	Distinguished Finance Major (SMU)	May 2020

Delta Sigma Pi Scholarship Key (SMU)	May 2020
Beta Gamma Sigma inductee (SMU)	April 2020
Phi Beta Kappa junior year inductee (SMU)	April 2019
Robert Stewart Hyer Society Scholar (SMU)	February 2019

COMPUTER SKILLS

Languages: C++, Python, R, MATLAB, \LaTeX .

Software: PyTorch, Stan, Unix, Vi/Vim, Visual Studio, Git, Bloomberg, Excel.