Brandon P. **Pipher**

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Education

Kent State University
MASTER OF SCIENCE IN APPLIED MATHEMATICS

Kent, OH
Aug. 2017 - Dec. 2019

- GPA: 3.9
- Advisor: Omar De la Cruz Cabrera
- Thesis: Comparison of Regression Methods with Non-Convex Penalties

University of Akron
BACHELOR OF SCIENCE IN MATHEMATICS, MINOR IN STATISTICS

Akron, OH
Aug. 2013 - May. 2017

- GPA: 3.6
- Graduated *cum laude*
- Member of Pi Mu Epsilon: Mathematics Honorary Society
- Member of Phi Sigma Alpha: Buchtel College of Arts and Sciences Scholastic Honorary Society
- Treasurer of Pi Mu Epsilon (Ohio Nu Chapter): 2016-2017

Certifications

Graduate Statistician (GStat)
AMERICAN STATISTICAL ASSOCIATION, ACCREDITATION

Jun. 2020 - Jun. 2028

Skills

Programming	R, LATEX, SQL, Python
Domain Knowledge	Regression Analysis, Regularization, Statistical Machine Learning, Data Analysis and Visualization, Statistical Inference, Measure-Theoretic Probability
Tools	Tidyverse, Plotly, Shiny, Git, Minitab, JMP, MS Excel, Tableau, HTML, Regex, RStudio, PyCharm, Spyder

Experience

Kent State University - Department of Mathematical Sciences
ADJUNCT FACULTY

Kent, OH
Aug. 2017 - Present

- Instructor for various Mathematics courses ranging from Algebra to Calculus
- Lead the integration of a new course environment for the online Algebra for Calculus (Core/PLUS) sequences
- Hosted several cross-regional faculty training seminars regarding the newly integrated learning environment

Mac's Convenience Store
CUSTOMER SERVICE REPRESENTATIVE

Copley, OH
Jan. 2016 - Mar. 2017

- Operated: cashier and pump register, bills counter machine, credit cards machine and lottery machine
- Handled opening and closing of store duties, and ensured space was tidy and ready for business each day
- Regularly communicated with vendors, and assisted with restocking shelving and product displays

Solutions Behavioral Healthcare
SECURITY OFFICER

Medina, OH
Feb. 2015 - Oct. 2016

- Provided periodic safety inspections and patrol service for an overnight Driver-Intervention Program
- Monitored and authorized entrance and departure to guard against theft and maintain security of premises
- Maintained reports of daily activities and noted irregularities in normative behavior

Short Courses

American Statistical Association (ASA) - Kentucky Chapter
SUCCESSFUL DATA MINING IN PRACTICE - SHORT COURSE TAUGHT BY RICHARD DE VEAUX

Lexington, KY
Oct. 2018

- An eight-hour-long practical, hands-on demo for utilizing statistical engineering to tackle "Big Data" problems.
- Focused on case-studies stemming from decades in consulting, and how to use data-mining techniques effectively.