

# ETHAN WONG

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## EDUCATION

**The University of Texas at Austin - McCombs School of Business** May 2025

Master of Science, Business Analytics | GPA: 3.95

- Coursework Includes: Time Series Analytics, Advanced Machine Learning, Analytics for Unstructured Data, Information Management, Marketing Analytics, Privacy Preserving Analytics, Optimization, Deep Learning, Unsupervised Learning

**The University of Texas at Austin - McCombs School of Business** May 2024

Bachelor of Business Administration, Business Analytics | GPA: 3.88 (University Honors)

## TECHNICAL SKILLS

- Computer Software: Excel (Solver, XLSTAT), Power BI, Tableau, MapReduce, Kubernetes, Hadoop, Spark, Snowflake, GitHub
- Computer Languages: R, Python (Pandas, Scikit-learn, Gurobi, Sci-Py, TensorFlow/Keras, PyTorch, NLTK, spaCy, VADER), SQL

## EXPERIENCE

**Option III Learning Facilitator - McCombs School of Business** January 2025 - May 2025

- Assisting Dr. Mark Tsechansky in MBA and MS courses by grading and providing LMS support to streamline course delivery

**Advanced Analytics Programming Grader - McCombs School of Business** January 2024 - May 2024

- Designed rubrics to assess 80 students' mastery of Python libraries (NumPy, Pandas, Matplotlib, Scikit-Learn, Statsmodels)

**Predictive Analytics and Data Mining Teaching Assistant - McCombs School of Business** August 2023 - May 2024

- Refined and taught the professor's Scikit-learn class material and homework to promote clarity and efficiency
- Constructed and led class quiz review sessions as a resource for over 250 students

**Operations and Business Process Improvement Intern - Raytheon; McKinney, TX** May 2023 - August 2023

- Analyzed and presented Harpoon seeker program's test set reliability trends and cost-yield data to program leadership
- Structured five value stream maps for the APY-10 multifunction radar, identifying process improvement opportunities

## ANALYTICAL PROJECTS

**Forecasting Renter Retention for Amherst - Capstone Project** Spring 2025

- Creating models to forecast renter retention and turnover costs, optimizing expenses and stabilizing cash flow
- Leveraging lease and resident data with external sources to uncover drivers of retention and guide decision-making

**Identifying Customer Churn for NetApp - Capstone Project** Spring 2024

- Built predictive models (ARIMA, LGBM, Poisson) to identify customers likely to reduce spending for targeted outreach
- Presented key insights on declining customer behavior to both technical and non-technical stakeholders weekly

**Bar Pass Rate Prediction Algorithm - Ethics of AI** Spring 2024

- Developed a Logistic Regression model for law school admissions with 88% AUC, auditing for gender and racial bias
- Exposed 60% racial bias in demographic parity and equalized odds, delivering recommendations for bias mitigation

## LEADERSHIP EXPERIENCES AND ACTIVITIES

**Logistics Director - Business Analytics Association (BAXA)** Fall 2022 - Spring 2024

- Oversaw 100+ member application process, biweekly announcements, room reservations, and inflow data collection
- Organized semesterly Power BI Desktop workshops to enhance members' data manipulation and visualization skills

## ADDITIONAL INFORMATION

**Interests:** Video Games, Golf, Basketball, Swimming, Rowing, Badminton, Board Games, Traveling, Cars, Double Bass

**Work Eligibility:** Eligible to work in the United States with no restrictions