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, Macabacus), Power BI, Tableau, Databricks, Salesforce, Snowflake, GitHub
- Computer Languages: R, Python (Pandas, Scikit-learn, Gurobi, Sci-Py, TensorFlow/Keras, PyTorch, NLTK, spaCy, VADER), SQL

EXPERIENCE

Analyst, Portfolio Management - *Amherst*; Austin, TX   August 2025 - Present

- Produce fund-level performance analyses guiding capital planning and quarterly investor updates for SFR portfolios
- Maintain SQL pipeline tracking homes tagged for sale, unifying data structures across an internal Salesforce migration

Portfolio Management and Modeling Intern - *Amherst*; Austin, TX   June 2025 - August 2025

- Quantified and presented YoY property and flood-insurance growth trends for 44,000 homes by state, market, and fund
- Benchmarked LLMs on 22,000 rows of customer survey text data and deployed the top model to a firm-wide dashboard

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 streamline course delivery
- Constructed and led class quiz review sessions as a resource for over 250 students across 8 different course offerings

ANALYTICAL PROJECTS

Dynamic Programming for Airline Overbooking - *Optimization II*   Spring 2025

- Optimized ticket pricing and overbooking policy over a 365-day sales horizon using dynamic programming
- Simulated seasonal demand scenarios to minimize overbooking costs and maximize discounted profit

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

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