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: 4.0

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

- Study Abroad Program: Business Law in Edinburgh, Summer 2022

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

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

- Designed rubrics to assess 80+ students on Python libraries (NumPy, Pandas, Matplotlib, Scikit-Learn, Statsmodels.api)
- Graded homework assignments, exams, and final data analysis projects to ensure consistent evaluation

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
- Designed five value stream maps for the APY-10 multifunction radar, identifying process improvement opportunities
- Addressed APY-10 program torque tool shortages and rising HPU costs through factory floor interviews

ANALYTICAL PROJECTS

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

Machine Learning Challenge: Basketball Memorabilia Investment - *2nd Place*   Spring 2023

- Collaborated on a team to apply machine learning on past NBA player data, guiding memorabilia investment decisions
- Constructed a Random Forest model yielding a $3.02 million profit, nearing the theoretical maximum of $3.6 million

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