ANDREW WANG
SOCIALS: LinkedIn, GitHub

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EDUCATION

Master of Science, Business Analytics, Rady School of Management   06/2025
University of California, San Diego
- Courses: Customer Analytics, Business Intelligence Systems, Scalable Analytics, Pricing Analytics, Fraud Analytics

Bachelor of Science, Mathematics: Probability and Statistics, Revelle College   06/2022
University of California, San Diego
- Courses: Calculus/Science Engineering, Mathematical Reasoning, Mathematical Probability & Statistics, Analytics

SPECIALIZED SKILLS

- **Languages/Coding:** Python, R, SQL (Advanced), Excel (Advanced), A/B Testing, MATLAB, ETL
- **Cloud Computing:** AWS, Microsoft Azure, Snowflake
- **Tools:** Power BI, Tableau, SQL Developer, CRM Salesforce, Spark, Hadoop
- **Certifications:** PL-300, CLF-C02, AZ-900
- **Domain:** Healthcare, HealthTech, SaaS, E-Commerce, Banking, FinTech

EXPERIENCE

Data Coordinator Analyst, Company: Family Health Centers of San Diego   10/2023 - 01/2025
- Reviewed internal and external databases to cross-reference data technician data, identifying and resolving 95% of discrepancies. Improved assurance workflows by 30%, optimizing data accuracy and operational efficiency.
- Designed and generated SQL reports for SUD Services, enabling seamless collaboration with Quality Management. Identified and resolved data quality issues using advanced Excel Pivot Tables, enhancing reporting accuracy by 25%.

Research Analyst Intern, Company: HYDATA (Beijing, China)   07/2019 - 08/2019
- Analyzed IBM Watson NLP & Beta Assistant, gaining expertise in AI models to assess business applications. Compiled findings in a structured report, improved delivering clear actionable insights to executives by 20%.
- Studied advanced AI technologies: Language Translation, Speech Recognition, and Text-to-Speech, facilitating data-driven decision-making. Developed custom solutions for govt. agencies, optimizing communication accuracy by 15%.

PROJECTS

San Francisco Property Pricing Analysis, MGTA 451: Business Analytics in Marketing   08/2024 - 09/2024
- Conducted exploratory data analysis (EDA) and data wrangling using Python to refine hypotheses, optimize sampling methods, and extract analytical inferences on San Francisco housing prices. Adopted advanced machine learning models that improved price prediction accuracy by 30%, enhancing market trend forecasting.
- Executed data visualization and feature extraction techniques to enhance predictive modeling. Built linear, logistic, and tree-based regression models, leveraging Lasso Regression to fine-tune feature selection. Reduced prediction errors by 25% and identified the top 10% of key market drivers influencing housing prices.

Intuit QuickBooks Case Study, MGTA 455: Customer Analytics   01/2025
- Utilized pairwise correlation techniques to detect multi-collinearity. Identified and refined feature dependencies, increasing model interpretability by 30%, establishing proper feature selections for Logistic Regression, Neural Network, and Tree-based models.
- Constructed a structured k-fold cross-validation framework with stratified sampling, leveraging grid and randomized search for hyperparameter tuning. Minimized variance across validation sets by 37%, improving predictive accuracy by 24% while cutting hyperparameter tuning time by 40%.

Investors Dilemma Case Study, MGTA 453: Business Analytics   10/2024
- Developed decision tree models in R, leveraging conditional probability calculations and expected market values to assess dynamic market conditions. Applied statistical t-test, chi-square test, and ANOVA to uncover significant patterns, maximizing profit by a margin of 30%.