**ZACHARY GUCCIONE** ♦ zachgucci.one ♦ linkedin.com/in/zach-guccione ♦ (512) 704-4706 ♦ zguccion@asu.edu ♦

## PROFESSIONAL EXPERIENCE

**Salt River Project,** Tempe, Arizona — January 2025 - Present

*Data Science and Research Intern*

- Define and engineer the "Super Saver" metric to identify customers who strategically reduce energy usage during peak hours to maximize savings on time-of-use (TOU) plans, providing data-driven insights for pricing decisions
- Leverage KMeans and GMM to segment users by energy behavior, revealing insights into rate plan adoption and retention
- Develop predictive models to analyze retention rates of users transitioning from fixed-rate plans to TOU plans, uncovering factors influencing long-term customer adherence

**Deloitte,** Gilbert, Arizona — June 2023 - August 2024

*Tax Consultant*

- Streamlined tax document creation using machine learning to auto-identify inputs reducing processing time by 32%
- Leveraged expertise in tax compliance to prepare Corporate and Partnership returns for multinational private equity firms managing over $200 billion in assets, identifying strategic tax savings opportunities for clients
- Collaborated across functional teams to ensure a 100% on-time filing rate for over five clients
- Applied advanced tax strategies, such as apportionment and allocation, achieving up to 19% reductions in client tax exposure

**Indeed,** Remote — May 2022 - August 2022

*Business Analyst Intern*

- Designed and implemented automation algorithms to track and analyze the migration of 280+ sources from 80+ teams to AWS, accomplishing a 90% reduction in on-premise data and meeting year-end cloud migration KPI
- Engineered predictive dashboards, strengthening cloud security compliance and accelerating KPMG audit workflows by 13%
- Built predictive models to segment financial insights for a $3M AWS Snowflake contract, optimizing cloud storage cost
- Enhanced performance by removing redundant scripts, cutting operational costs by $1M per month and boosting efficiency
- Collaborated with 3 teams to construct ETL pipelines, enabling seamless schema transformations for 250 tables

## EDUCATION

**Arizona State University**, Tempe, Arizona — August 2024 - May 2025

Masters of Science in Artificial Intelligence in Business
GPA: 4.22 out of 4.00
Relevant Coursework: AI and Analytics Strategy, Machine Learning in Business, Unstructured Data Analytics, Governance

**Arizona State University**, Tempe, Arizona — August 2019 - May 2023

Bachelor of Science in Business Data Analytics & Bachelor of Arts in Business Sustainability
GPA: 3.90 out of 4.00
Awards: Summa Cum Laude, Dean's List, Leaders Academy, New American Scholarship President's Award

## PROJECTS

**NBA Draft Predictions with Machine Learning**

- Deployed predictive models (Linear Regression, SVM, Neural Networks) to forecast draft outcomes with 70% accuracy
- Improved model performance by 22% through feature engineering and historical data optimization
- Utilized Python and deep learning frameworks (Torch) for advanced model development and validation

**AI-Driven Customer Matching for National Dental Registry**

- Engineered an AI algorithm to match incomplete customer profiles with registry records, recording 86% completeness
- Optimized customer record linkage processes by implementing matching techniques, improving accuracy and efficiency
- Enhanced A/B testing capabilities by leveraging cleaner datasets, boosting customer acquisition rates

## SKILLS

**Programming:** Python (Torch, PySpark, Sklearn, Pandas, NumPy, Django, Seaborn), SQL R, Java, HTML, AWS, C, C++
**Tools & Technologies:** Anaconda, Jupyter, Tableau, Power BI, Excel, JIRA, Microsoft Office Suite