

Robert Tzou

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SUMMARY

Analytical and detail-oriented Data Analyst with hands-on experience in **Python, SQL, and data visualization**. Skilled in transforming raw data into actionable insights through database design, statistical analysis, and dashboards. Experienced with **API integration, database normalization, and BI tools**. Background as a Python Teaching Assistant, demonstrating technical expertise and the ability to communicate complex concepts to diverse stakeholders.

EDUCATION

University of Maryland , College Park, Maryland <i>B.S. in Information Science</i> GPA: 3.9, Dean's List 2025 <i>Relevant Coursework:</i> Python (Object-Oriented Programming, Data Analysis), SQL (Database Design, Querying)	August 2024 - May 2026
Montgomery College , Rockville, Maryland <i>A.A. in General Studies</i> GPA: 3.7, Dean's List 2024 <i>Relevant Coursework:</i> Linear Algebra, Applied Calculus	December 2023 - August 2024

SELECTED PROJECTS

AI Calendar Agent with Gemini 1.5 Flash <ul style="list-style-type: none">Developed a browser-based web application integrating Google Calendar API with Gemini 1.5 Flash, enabling users to create calendar events from natural language inputs with 95%+ parsing accuracy.Built a responsive front-end interface to simplify event creation and management, improving usability.Automated scheduling workflows, reducing manual input time by ~80% and demonstrating efficiency gains applicable to business process improvement.Implemented OAuth 2.0 authentication and JSON pipelines, ensuring reliable and scalable event creation.Deployed on AWS for high availability, scalability, and secure integration with cloud services.	Spring 2025 - Present
NBA Database Exploratory Analysis <ul style="list-style-type: none">Extracted data from the NBA API and cleaned/transformed it using Python (Pandas) and Excel.Designed a relational schema and applied 3rd Normal Form (3NF) normalization to ensure limit redundancy.Built a MySQL database, loaded structured tables, and enforced primary/foreign key constraints for querying.Developed SQL queries (joins, aggregations, window functions) to explore team and player statistics, uncovering insights on scoring trends and player efficiency.	Summer 2025

WORK EXPERIENCE

Teaching Assistant (Object-Oriented Programming) , University of Maryland, College Park <ul style="list-style-type: none">Guided students in applying Python for data analysis and automation, reinforcing best practices in data cleaning, visualization, and debugging.Simplified complex coding concepts into actionable workflows for 100+ students.	Fall 2025 - Present
Shift Lead , Dunkin' <ul style="list-style-type: none">Analyzed daily sales patterns and store inventory, reducing waste and aligning supply with demand.Implemented process improvements in order fulfillment and inventory tracking, improving team efficiency and reducing errors during peak hours.	Spring 2022 - 2026

CERTIFICATIONS

Google Data Analytics Professional , Coursera <ul style="list-style-type: none">Completed a rigorous, Google-designed program covering data analysis, data cleaning, and data-driven decision making.	March 2024
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