ALEJANDRO OJEDA-CELIS

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EDUCATION

University of Texas at Arlington   Arlington, TX
Bachelor's of Science in Computer Science, GPA: 3.28/4.0   August, 2024
Awards: Maverick Undergraduate Scholarship
Relevant Coursework: Algorithms & Data Structures, Database Systems and File Structures, Artificial Intelligence

PROJECTS AND INDUSTRY INVOLVEMENT

Cloud-Based Speedrun Data Pipeline (Python, Google Cloud Platform (BigQuery, Cloud Storage), SQL)
- Designed and deployed a scalable, cloud-native ETL pipeline that ingests and processes over 15,000+ speedrun records, transforming raw JSON into queryable BigQuery tables with daily updates.
- Reduced manual data cleaning workload by 90% by implementing Python scripts for schema normalization, validation, and seamless CSV uploads to Google Cloud Storage.
- Executed multi-year trend analysis across 5+ gaming platforms, uncovering shifts in runner behavior, category popularity, and completion times that informed leaderboard visualization strategies.

Speedrun.com Data Export Tool (Python / Tableau)
- Automated a previously manual 20-minute data collection process into a sub-30-second tool, allowing instant exports of clean CSV and JSON data for analysis or visualization.
- Developed a multi-endpoint API wrapper in Python that retrieves comprehensive leaderboard data (including categories, timing methods, and platform splits) from Speedrun.com's public API.
- Enabled rapid performance insights through Tableau dashboards by transforming raw exports into structured datasets with custom preprocessing pipelines.

ArlingtonSprouts Database (SQL)
- Improved report generation speed by 12% via optimized SQL queries and indexing strategies.
- Cut query execution time by 18% through targeted index tuning and join refactoring.
- Reduced data retrieval latency by 9% through improved relational schema design.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

SHPE UTA   Arlington, TX
National Member   Sep 2023- Present
- Assisted in the creation of SHPE activities to increase member participation by 20%.
- Organized schedules for SHPE officers to plan according to many member's school conflicts.

Management Leadership for Tomorrow (MLT)   Arlington, TX
Career Preparation Fellow   Jan 2022–Sep 2023
- Crafted a presentation to recruit and increase the number of UTA students within MLT by 35%.
- Engaged in workshops held by MLT to prepare for job interviews which were hosted by industry leaders such as Deloitte, LinkedIn and Target.

WORK EXPERIENCE

Server   Fort Worth, TX
(H.G. Supply Co.)   June 2025 – Present
- Engage in recommending and upselling menu items, including appetizers, desserts, and specialty drinks, resulting in a 15% increase in average check size.
- Overall rating from customers on Sundae is above 90% approval, among the highest in my work place.

SKILLS & INTERESTS

Skills: Python | SQL/SQLite | Data visualization (Tableu) | GCP (BigQuery, Cloud Storage) | Git | Machine Learning
Soft Skills: Spanish(Fluent), Communication, Collaboration, Adaptability, Problem-Solving, Leadership
Interests: Rock-Climbing, Weightlifting, Game-Development, PC-Building, Fighting Games, Traveling, MTG