Sanchezner Orange

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Education

University of Florida – Bachelor of Arts in Computer Science — Expected May 2027
Palm Beach State College – Associate of Arts in Liberal Arts — Dec 2024

Experience

Student Developer, UF Google Developer Student Clubs – Gainesville, FL — Sep 2025 – Dec 2025

- Led implementation of secure access layers to manage user-specific records, ensuring strict data isolation through session-based filtering
- Engineered CRUD endpoints with ownership-validation logic to prevent unauthorized modification or deletion of sensitive database entries
- Standardized request handling and error management to maintain the integrity of the persistent data store during high-frequency updates

Grocery Clerk, Publix – Gainesville, FL — May 2023 – Dec 2025

- Collaborated with a team of 10+ associates to manage inventory operations efficiently, providing premier customer service to everyday guests.
- Earned "Exceeds Expectations" performance evaluations for reliability and commitment to team objectives.

Projects

Ball Don't Lie — github.com/oh-nought/ball-dont-lie

- Building a data pipeline and query system enabling natural language analysis of NBA referee bias across team performance
- Processed and stored 20+ NBA seasons (∼50,000+ games) using automated ETL pipeline, orchestrating incremental loads to AWS S3 and RDS with Airflow
- Implemented natural language query interface using pretrained sentence transformers to map user queries to SQL templates via semantic similarity
- Designed SQL query builder pattern with parameterized templates per query type to dynamically construct queries from extracted entities while preventing SQL injection

LANdToss — github.com/oh-nought/LANdToss

- Built a real-time data streaming application enabling instant file sharing across devices without cloud intermediaries on a resource-constrained single-board computer
- Implemented chunked streaming architecture that reduced memory footprint by 95% compared to buffered approach, enabling 500MB+ file transfers on a 2GB RAM server with concurrent multi-user support
- Designed distributed state management system coordinating sender/recipient workflows through WebSocket message protocol with completion tracking, error handling, and transfer history logging
- Integrated structured logging pipeline capturing transfer metadata and system metrics to SQLite for operational monitoring, debugging, and performance analysis

Skills

Languages: Python, C, C++, JavaScript, SQL
Cloud: Amazon Web Services (S3, RDS), Google Cloud Platform (BigQuery)
Tools: Apache Airflow, PySpark, PyTorch, pandas, NumPy, dbt, Docker, FastAPI, Express.js, Git