

NATHAN GLEN

Education

University of Florida

Bachelor of Science, Major in Data Science, Minor in Economics

- **GPA: 3.99**

May 2026

Gainesville, FL

Experience

Deutsche Bank

Technology Analyst

Jul 2026 – Present

Cary, NC

- Analyzed **GCP resource costs** in **Excel** and presented findings to align the team's understanding of cloud spending.
- Updated **API response ingestion** to support a revised response format and led discussions with the **end-of-day (EOD) test automation team** to align automated tests with expected application behavior.
- Implemented monitoring to identify **CTD notifications stuck in retry**, generating logs and automated email alerts to the support team using **Jakarta Mail and SMTP**.

Universal Music Group

Data Analytics Intern

Jun 2025 – Aug 2025

Miami, FL

- Delivered **10+ weekly dashboards and visualizations** in response to internal stakeholder requests, leveraging **SQL, BigQuery, Python, Excel, Nielsen and MicroStrategy** to drive data-informed decisions across marketing, A&R, and finance departments.
- Engineered and deployed **automated analytics workflows** using Python, SQL, and GCP, reducing reporting time by **over 90%**, enabling fast and accurate access to critical business insights.

Graim Bioinformatics Lab

Undergraduate Research Assistant

Dec 2024 – Present

Gainesville, FL

- Performed **A/B testing using t-tests** to assess how gene count influences the **suitability of canine cancers as comparative models** for human cancer types.
- Utilized **high-performance computing (HPC)** environments to process large-scale genomic datasets.
- Managed an **ETL data pipeline** to clean, transform, and analyze **oncology-focused datasets** for downstream bioinformatics workflows.

Tampa Bay Rays Capstone Course

Project Team Member

Aug 2024 – Dec 2024

Gainesville, FL

- **Cleaned and preprocessed** a dataset with over **100,000 rows** to prepare it for **machine learning** tasks, collaborating with Tampa Bay Rays analysts.
- Obtained a **67% accuracy score** using **XGBoost**, and utilized **SHAP scores** to explain model predictions and pitch characteristics.
- Developed a **user-friendly web application** utilizing **SHAP values** to highlight influential characteristics, emphasizing **explainability**.

UF Food Product Development Club (FPDC)

President & Analyst

May 2023 – Present

Gainesville, FL

- Designed and implemented a **web application** using the **Edamam API** to generate **USDA-compliant nutrition labels**, reducing average label creation time by **67%**.
- Conducted **market and consumer analytics** using **Mintel, Google Trends, and Stata** to inform data-driven decisions in the development of innovative food products for **IFT's Smart Snacks Competition**.

Projects

Pickleball Matcher

Co-Creator & Full-Stack Developer

Oct 2026 – Present

Morrisville, NC

- Built and deployed a **mobile-first pickleball PWA** for the graduate cohort using **Next.js, React, TypeScript, PostgreSQL, and Tailwind CSS**, featuring court management, live scoring, and public leaderboards.
- Engineered a **multi-objective matchmaking engine and adaptive Elo rating system** using simulated annealing to optimize match balance, sit-out fairness, and partner variety, with deterministic rating replays for historical score corrections.

GatorSubleasing

Co-creator

Jan 2024 – Present

Gainesville, FL

- Created a full-stack website using **Supabase, React, and Next.js** to help students find and sublease apartments.
- Designed and implemented the **database architecture**, including table creation, relationships, and query handling.
- Reached **100+ active users**, facilitating apartment exchanges and driving student engagement on campus.

Skills

- **Programming & Analytics Tools:** Excel, Python, C++, Java, R, JavaScript, SQL, Tableau, PowerBI, BigQuery, Domo
- **Interests:** Pickleball, Basketball, Running, Reading, Learning Piano, Listening to Barbershop Quartets