

GERRY JONES, JR.
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SUMMARY

M.S. Data Science student at New College of Florida with a B.S. in Applied mathematics and hands-on experience building end-to-end ML and analytics projects in Python and R. Interested in machine learning, behavioral analytics, and applied AI.

EXPERIENCE/PROJECTS

Portfolio: <https://github.com/gjones01>

NullCS: Statistics Driven Cheat Detection For CS2(Still In Development)

- Built a pipeline that parses replay data for Counter Strike match files and converts events into structured player-level datasets for ML.
- Built 450 features that are used to capture player aim, visibility, positioning, movement and utility data for ML analysis.
- Trained and evaluated an XGBoost classifier with strong focus on reducing false positives.
- The final result produced a PR-AUC = 0.796 and ROC-AUC = 0.956
- This passion project is a proof of concept for what is possible in utilizing methods to detect illegitimate gameplay.

More info can be found at www.nullcs.app or the GitHub Repo: <https://github.com/gjones01/NullCS>

Data Science Intern at Teidore | June 2025 - November 2025

- Researched and benchmarked multiple LLMs (Mistral, ChatGPT-3.5, MiniLM, MPNet) for product categorization based on semantic similarity and entropy.
- Developed Python scripts to preprocess scraped JSONL files and structure them into embeddings for fast batching.
- Contributed to backend development, with exposure to PostgreSQL, while working closely with full-stack developers.
- Experienced hands on development with Supabase and AWS tools such as S3 and RDS.

EDUCATION

New College of Florida – M.S. Applied Data Science

- Start: August 2026
- Expected Graduation: May 2028

Hillsdale College – BSc Applied Mathematics

- Start: August 2019
- Graduation: May 2024

SKILLS & TOOLS

- **Programming & Data Analysis:** Python, SQL, NumPy, Pandas, Polars
- **Machine Learning:** Regression, Classification, XGBoost, NLP, Random Forests
- **Deep Learning:** PyTorch, CNNs (NullCS)
- **Big Data & Cloud:** APIs, Supabase, AWS S3
- **Visualization:** Tableau, Matplotlib, Seaborn

