Justin Walker

Data Science • Data Analysis • Software Engineering Intern
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EDUCATION

Florida International University (Remote) — B.A. in Computer Science
Expected Spring 2027 • GPA: 3.66

Selected Coursework: Data Structures & Algorithms, Database Management, Systems Programming, Operating Systems, Software Engineering I, Computer Architecture, Software Testing, Discrete Structures, Intro to Data Mining, Advanced Database Management, Artificial Intelligence

TECHNICAL SKILLS

- Programming: Python, Java, C, SQL

- Libraries: pandas, NumPy, scikit-learn, XGBoost, LightGBM, CatBoost, TensorFlow/Keras, SHAP, Optuna, matplotlib

- Data: EDA, feature engineering, cross-validation, class-imbalance handling, probability calibration

- Domains: NLP (transformers), time-series forecasting, credit scoring, HR analytics

- Tools: Git/GitHub, Docker, FastAPI, Tableau, Jupyter, Linux, Conda, pre-commit/black/ruff, GitHub Actions

SELECTED PROJECTS

Twitter Airline Sentiment — DistilBERT & TF-IDF
Built two production-ready models; DistilBERT test ≈0.84 accuracy / ≈0.79 macro-F1.
Shipped CLI and FastAPI `/predict` micro-service; containerized with Docker and automated CI.
Live Demo | Repository

HR Attrition (IBM) — Interpretable Risk Scoring
Leakage-safe pipeline with Logistic Regression + SMOTE; test AUC ≈0.81.
SHAP explanations and stakeholder dashboard.
Dashboard

Rossmann Store Sales — Time-aware XGBoost Forecasts
Chronological holdout; RMSE ≈0.169, MAE ≈0.130, R² ≈0.833 (log-scale).
Engineered promo & calendar features; ops dashboard.
Dashboard

EXPERIENCE

Behavior Technician — The Stepping Stones Group, LLC (Mar 2025 – Present)
Capture session data and trends that inform individualized treatment plans.
Partner with clinicians and families; practice concise documentation and KPI tracking.

Behavior Interventionist — Intercare Therapy (Nov 2023 – Mar 2025)
Logged detailed behavioral observations; communicated weekly progress to supervisors.