Jackson Small

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EDUCATION

University of Central Florida, Burnett Honors College — Orlando, FL
B.S. in Data Science | ***Minor in Statistics*** | *GPA: 3.828* — August 2022 – May 2026

- **Relevant Coursework:** Applied Time Series, Mathematical Modeling, Matrix & Linear Algebra, Statistical Learning, Stochastic Processes, Big Data Analytics, Statistical Theory I & II.

EXPERIENCE

Insurity, Inc. — Remote
AI Associate Developer — October 2025 – Present

- Developed and deployed machine learning models and RAG/LLM prototypes to support core product features, utilizing prompt engineering to create new insurance solutions and presenting POCs to senior engineers.
- Engineered Python automation tools to migrate 175 SSRS reports to Power BI in 3 weeks vs. 3-4 months projected, achieving $700,000 in cost avoidance and 17x faster migration velocity over industry standard.
- Executed 1,225 technical modifications across 187 SQL database connections, achieving 100% verification pass rate and zero post-migration production incidents.
- Built comprehensive HIPAA audit infrastructure covering 23 PHI tables with SQL triggers, role-based access controls, and field masking, achieving ≥95% attribution accuracy and 85-96% storage optimization.

Design Interactive, Inc. — Orlando, FL
Research Assistant Intern — May 2024 – August 2024

- Designed automated data validation pipelines using Python and SQL to handle large-scale human systems datasets, ensuring data integrity for statistical reporting.
- Led quality testing of VR/AR simulations built in Unity, deploying builds to headsets and validating eye tracking software to capture participant gaze patterns and navigation behavior.
- Performed rigorous statistical analysis and data cleaning on complex experimental datasets, ensuring compliance with research protocols and reproducibility standards.

SKILLS

- **Core Competencies:** Machine Learning & AI | Data Science | NLP | Deep Learning | A/B Testing
- **Technical Skills: Programming** (Python, SQL, R, Julia, C, Bash) | **Development** (RAG, DSA, HTML) | **Tools** (PyTorch, TensorFlow, Scikit-learn, AWS, Azure AI, Git, Power BI, Jupyter)
- **Soft Skills:** Technical Leadership | Research Communication | Agile Methodology | Teamwork

PROJECTS

Honors Undergraduate Thesis - Published — June 2025 – January 2026
Theoretical Analysis of CNNs for Automatic Seizure Detection in EEG Signals

- Published and presented an Honors Thesis analyzing 1D CNNs for time-series anomaly detection; implemented a Butterworth noise filtering pipeline and used PyTorch, SMOTE, DFT, and Lipschitz bounds to ensure model stability, achieving 97% accuracy and 0.99 AUC while identifying the 22 Hz beta-wave band as the primary learned feature.

AI Driver Risk Scoring Platform — Fall 2025

- Fully developed an end-to-end Telematics risk scoring platform from simulated driving data, engineering features, and training ML models (ROC-AUC up to 0.98) with a real-time Streamlit dashboard and gamification rewards.

LEADERSHIP & ACTIVITIES

Leadership: Eagle Scout (BSA) | Epilepsy Foundation Ambassador | Burnett Honors Scholar | CRU
Certifications: Microsoft Azure AI Essentials | Anaconda Python for Data Science