Justin Stutler

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Education | University of South Florida | Tampa, FL

Master of Science in Data Intelligence   August 2025 - December 2026 (Expected)
Graduate Certificate of Artificial Intelligence   August 2025 - December 2026 (Expected)
Bachelor of Information Science | Web Development Concentration | 3.67 GPA | May 2024 (Graduated)

Technical Skills

AI & Machine Learning: Deep Learning, Computer Vision, ResNets, PyTorch, TensorFlow, Scikit-learn, Pandas, NumPy, Ablation Studies, Natural Language Processing(NLP), OpenCV, YOLO
Data Science & Math: Statistical Modeling, Regression Analysis, Bayesian Statistics, Monte Carlo Methods, Hypothesis Testing, Data Visualization (Matplotlib/Seaborn)
Software Engineering: Python, SQL, MySQL, MongoDB, Git, Agile/Scrum, JIRA, Confluence
Web & Deployment: React, Node.js, JavaScript, HTML/CSS, RESTful APIs, PHP, Go, Django, Flask

Academic Projects

Deep Learning Computer Vision Capstone | Music Genre Classification | Current Work
- Conducting an ablation study on ResNets vs. standard CNNs to analyze vanishing gradients and optimize image classification performance.
- Developing a CNN pipeline to predict musical genres from album art, demonstrating the efficacy of residual connections in deep networks.

Predictive Housing Market Analysis | Data Science Project | Fall 2025
- Engineered statistical regression models on high-dimensional real estate data, performing feature engineering to isolate key market drivers.
- Optimized model selection based on RMSE and R-squared metrics, utilizing EDA to identify and mitigate multicollinearity.

Robotics Localization Algorithm | Intro to AI Project | Fall 2025
- Implemented a Particle Filter (Monte Carlo Localization) algorithm to simulate robot state estimation.
- Modeled motion and sensor uncertainty using Bayesian statistics to iteratively update belief states, successfully tracking a robot's position within a 2D map.

Professional Experience

MagMutual Insurance | Software Developer Intern → Contractor | May - December 2020
- Collaborated within a team of 4 to engineer scalable Python/Go backend solutions and deploy full-stack architectures, optimizing enterprise workflows in an Agile environment.

PieHole | Operations Manager | May 2016 - July 2018
- Managed daily operations and inventory for a high-volume food service business, overseeing a team to ensure consistent product quality and efficiency.

Student Organizations

USF Brazilian Jiu-Jitsu Club: Member (August 2023 – Current)
KSU Overwatch Team: Coach & Player (August 2019 – May 2021)