Jacomo Corrieri

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EDUCATION

University of Florida, *Gainesville, FL* *May 2027*
Master of Science, Computer Science
Relevant Coursework: Computer Vision, Analysis of Algorithms, Math for Intelligent Systems.

University of North Florida, *Jacksonville, FL* *May 2025*
B.S. in Computer Science, Minors in Mathematics and International Business
GPA: 3.99/4.0
Relevant Coursework: Machine Learning with Graphs, Algorithms, Graph Theory, Data Structures, Linear Algebra, Vector Calculus, Ordinary Differential Equations, Probability and Statistics, Software Engineering, Databases, Operating Systems.

Sungkyunkwan University, *Seoul, South Korea* *Mar 2024–Jul 2024*
Exchange Program, Data Science
GPA: 4.0
Relevant Coursework: Data Science and R, AI & IT Business Models.

PROJECTS

Multi-Agent Reinforcement Learning for Coordinated Grid Exploration
● Architected custom neural networks in PyTorch for use with the Proximal Policy Optimization (PPO) algorithm, leveraging Ray RLlib to streamline the training process.
● Built a modular framework with custom reward functions, hyperparameter tuning, and ablation study support, enabling seamless experimentation and testing.
● Final model achieved ~99% coverage and connectivity with 20–50 robots, 15% higher average coverage than prior work, motivating paper submission to ICRA 2025 (currently under review).

AeroAtlas Travel Planner
● Built a full-stack travel itinerary planner using Agile methodologies to coordinate with teammates, delivering an award-winning MVP at the UNF School of Computing Symposium against 20+ teams.
● Developed a modern, responsive UI with Next.js, React, TailwindCSS, and ShadCN components.
● Designed and implemented a REST API with FastAPI to integrate multiple external services, optimized with caching to reduce average page load times significantly.

Raspberry Pi Dashboard
● Developed a real-time dashboard for the Raspberry Pi 4B using JavaFX, displaying system metrics with multithreaded data handling.
● Integrated terminal access, file manager, and GPIO controls into a responsive CSS-styled interface.
● Optimized resource management to ensure stability and performance under concurrent processes.

WORK EXPERIENCE

Avondale United Methodist Church *Aug 2019–Jun 2025*
Web Developer
● Designed, coded, and maintained the church website using HTML, CSS, JavaScript, and PHP, serving 50+ members.
● Implemented a pictorial directory, migrating hand-collected forms to 20+ member entries using server-side scripting.
● Collaborated with trustees and staff from various departments to define design and content requirements.
● Maintained weekly bulletins and announcements to ensure timely site updates, handling requests for different departmental needs.

SKILLS

Java, Python, PyTorch, Gymnasium, HTML, CSS, JavaScript, C, SQL, React, FastAPI, Assembly, Linux.

AWARDS/CERTIFICATIONS

● Building Transformer-Based Natural Language Processing (NLP) Applications, *NVIDIA*
● 2nd place out of 50 teams, Fall 2024 UNF NestforAwhile Programming Challenge
● Unix Essential Training, *LinkedIn*