Leonardo Pariano

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EDUCATION

Bachelors of Science in Computer Science,   Fall 2024
University of Central Florida, Orlando, FL
Relevant Coursework:
- Data Structures and Algorithms, Object Oriented Programming, Intro to Full Stack Development, Web Development, Systems Software, Matrix and Linear Algebra, AI for Game Programming

Certificates: TestOut CyberDefense Pro

PROFESSIONAL EXPERIENCE

Software Engineer Intern, *Rekndle, https://rekndle.com/*   01/2024 – Present
- Led the development of 5 RESTful Shopify APIs, optimizing inventory management and elevating over 500 product listings for a seamless shopping experience.
- Developed command line scripts to aggregate inventory data from diverse suppliers, enhancing product curation and driving increased user satisfaction and sales.
- Implemented CI/CD best practices, automating workflows to filter and publish 2,000+ inventory items with precision and timely updates, maintaining the platform's competitive edge.

Artificial Intelligence Research, *Cornell University*   Summer 2023
- Designed and implemented an assistive device for the visually impaired using Robot Operating System (ROS) and Python on Linux, enhancing mobility and independence for users.
- Improved obstacle detection with integrated haptic and audio feedback for intuitive navigation.
- Applied the A* pathfinding algorithm to optimize navigation in dynamic environments, ensuring robust obstacle avoidance and user safety.

PROJECTS

American Sign Language Translator, *Python, OpenCV, TensorFlow, MediaPipe*
- Engineered a real-time translator converting 500+ ASL gestures into text, improving accessibility for the hearing impaired community.
- Integrated TensorFlow to enhance translator accuracy, achieving 99% accuracy with continual learning based on user interactions.
- Applied advanced language models to translate ASL gestures into contextually accurate and grammatically correct English sentences.
- Collected and curated 2,500+ video clips, securely stored for training and refining the translation model.

AI Travel Planner, *Python, Crew AI, Google Serper, Langchain*
- Designed and launched 3 AI-powered agents focused on local tours, city selection, and travel expertise, streamlining the process of creating personalized travel plans.
- Integrated real-time data scraping using Google Serper, ensuring relevant and accurate information on accommodations, transportation, and activities.
- Implemented LangChain to integrate language models, optimizing communication and functionality across specialized AI agents for itinerary creation.

SKILLS

Programming Languages
Python, C, C++, Java, JavaScript, C#, SQL, PowerShell

Development Tools
Git/GitHub/GitLab, Tensorflow, AWS, Node, Express, React, Windows, macOS, Linux, Jira, Agile/Scrum