Heinz DuBois Vera

Applied AI Engineer | Python Automation & AI Integration
Lima, Peru | LinkedIn | Portfolio | GitHub | Mail

PROFESSIONAL SUMMARY

Applied AI-focused software developer with hands-on experience in Python automation, REST APIs, and model-inference integration. Reduced a recurring Oracle WMS extraction workflow from approximately 8 hours to 10 minutes. Integrated a previously trained Python-based dance-evaluation model into Unity using Sentis for in-app inference, and built local desktop utilities with Real-ESRGAN and optional Whisper transcription. Experienced in practical testing, debugging, and product-focused implementation.

EXPERIENCE

360 SUPPLY SOLUTIONS S.A.C. · Lima, Peru
Oracle WMS (OWMS) External Consultant · Jun 2025 – Jan 2026

- Automated recurring Oracle WMS data extraction with Python and REST APIs, reducing an approximately 8-hour workflow to 10 minutes.
- Processed JSON responses into structured Excel outputs; used Postman to test GET, POST, and update operations and validate results.
- Applied multithreaded processing and dynamic filters to replace repeated manual record batches and investigate unexpected data.

CULTURE PARTY · VR Project
Unity Programmer · ML Inference Integration · Apr 2025 – Mar 2026

- Integrated a previously trained Python-based dance-evaluation model into Unity using Sentis, allowing it to run directly inside the application during gameplay.
- Debugged Unity and Meta XR builds on Meta Quest; optimized shaders and culling for the Machu Picchu scene. The project was showcased at Gamescom 2025.

PROJECTS

EVEREND UTENSILS · PYTHON / PYSIDE6 · ALPHA · GitHub

- Developed local desktop utilities for Real-ESRGAN image enhancement and optional local Whisper speech transcription.

EVEREND FORGE · OPEN-SOURCE DESKTOP SUITE · GitHub
Creator / Technical Designer · May 2026 – Present

- Developing a TypeScript, React, and Tauri suite with structured authoring workflows and Windows/macOS builds via GitHub Actions.

SKILLS

Applied AI: Model inference integration · AI-assisted development (Codex, GitHub Copilot, ChatGPT) · ComfyUI · AI-assisted prototyping
Technical: Python · TypeScript · React · Tauri · PySide6 · Unity · C# · Unity Sentis · Meta XR
Automation & tools: REST APIs · JSON · Multithreaded automation · Postman · Excel · Real-ESRGAN · Whisper (local) · Git · GitHub Actions

EDUCATION & LANGUAGES

B.A. Communication — University of Lima | Video Games & Applications specialization | 2019–2024
Introduction to Universal AI — MIT Learn, 2026
Spanish: Native · English: B2 (Cambridge FCE) · Italian: B1