Alessio Chen

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SUMMARY

AI Engineer and Full-Stack Developer with 4+ years of industry experience. Research background in Vision-Language Models with a paper accepted at VisionDocs Workshop ICCV 2025. Multiple hackathon winner, including two 1st-place finishes in AI competitions.

EXPERIENCE

Letxbe AI — AI Research Intern Mar 2025 – Dec 2025

– Designed and released DocExplainer, a Document VQA system with bounding-box localization; paper accepted at **VisionDocs Workshop (ICCV 2025)**.
– Applied preference-alignment methods (**DPO, MPO, ORPO**), improving ANLS and accuracy over SFT baseline.
– Built end-to-end data pipelines for handwritten document processing.

Commitsoftware - Full Stack Developer Dec 2021 - Current
Shipped 10+ full-stack web and mobile applications, from cross-platform apps to REST APIs and AI-powered features.

– Built a cross-platform mobile app and RAG chatbot backend for an Italian medical society, enabling semantic search over 100+ years of occupational medicine literature.
– Re-architected a core platform for a national tourism operator, contributing to 60% revenue growth (2023–24).
– Built a real-time threat detection dashboard for an Italian ISP, automating malicious FQDN/IP blocking.
– Developed an AWS-based lambda automation removing all manual month-end operations.
– Automated CI/CD for an Android app, cutting release time from hours to minutes and dev onboarding from half-day SDK setup to a single `docker-compose up`.

AWARDS

1st Place, Hackapizza 2.0: Agent Edition by Datapizza (2026) — 120 selected participants

1st Place, Llama Roma Impact Hackathon (2024) — 400+ participants, 40+ submissions

3rd Place, Paris AI Hackathon by Tech: Paris (2025) — 120 applicants, 20 teams

Most Promising AI × Web3 Project, Encode Club Hackathon (London, 2024)

PROJECTS

Hackapizza 2.0 🔗
Multi-agent system for a competitive galactic restaurant simulation. Event-driven architecture with specialized agents per game phase, shared long-term memory, and real-time SSE communication.

Traish 🔗
AI-powered waste management system providing real-time guidance for recycling compliance in Rome using computer vision and LLM-based reasoning.

Object Detection Negative Flip Analysis 🔗
Developed a mathematical method to quantify performance regressions between object detection models using a "negative flip" metric. Findings revealed that most model regressions stem from localization errors, not classification.

EDUCATION

MSc in Artificial Intelligence, University of Florence, Italy 2023 - 2026

– **Relevant classes**: Generative AI and Multimodal AI, NLP & LLMs, Computer Vision, Optimization, Statistics and Data Mining.

B.Sc. in Computer Engineering, University of Florence, Italy 2017 - 2023

TECHNICAL SKILLS

Programming Languages: Python, Typescript, PHP | **Frameworks**: PyTorch, FastAPI, HuggingFace, Vue & Nuxt, Laravel

Data & MLOps: Jupyter, Scikit-Learn, CometML, Docker, Git | **Languages**: Italian (Native), English, Chinese