

# LUIGI RIVOLTA

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## WORK EXPERIENCE

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### Wander (Acqui-hire) — Product Engineer

2025 – 2026

- **Redesign:** Led the complete overhaul of property pages (desktop/mobile), re-architecting calendar, amenities, and maps. Resulted in a **17.9% increase in booking conversions**.
- **Lead Gen Pipeline:** Built an automated system scraping Airbnb data, enriching leads via Pipl/Apollo/AI, and feeding HubSpot. Developed reverse image recognition for host identity validation.
- **Property Enrichment:** Engineered automation workflows using Google Places API & LLMs to extract amenities from photos, rewrite descriptions, and categorize imagery at scale (thousands of listings daily).
- **Wander Sites:** Generated hundreds of automated property sites through custom technology.

### Smartrip (Exit) — Co-founder & CEO/CTO

2023 – 2025

- Built the **first AI voice travel agent** for flight bookings (complete voice UX).
- **Acqui-hired by Wander** to integrate voice capabilities.
- Early adopter & contributor of the **ElevenLabs iOS SDK**.
- Developed full-stack voice infrastructure handling complex travel queries and bookings.
- [smartrip.ai](https://smartrip.ai)

### Thirdbuy (Exit) — Co-founder

2020 – 2022

- Co-founded a **crypto marketplace** for buying/selling physical goods.
- Scaled to **\$2M in sales** volume.
- Successfully **exited for \$100k** at age 17.

## PROGRAMS

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### Founders Inc. — Cold Start Program

2023

- Explored new product ideas and built prototypes in a high-intensity venture studio environment.

## PROJECTS

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### API Search Engine (Current)

- Building a **search engine for APIs** optimized for AI agents via an **MCP server**.
- Converts all API documentation into clean **Markdown** for efficient LLM consumption.
- Includes a user interface for direct endpoint discovery and integration.

### LatentHorizon (Releasing Soon)

- Building a synthetic research environment where models interact in high-entropy scenarios to explore theory of mind and MDL (minimum description length).
- Creating a platform for donating idle API keys to power autonomous agent research.

### Judge AI (Hackathon Winner)

- Built an **MCP server** that detects AI-generated content (text/image/video) with structured verdicts.
- Hybrid forensics architecture using Reality Defender & Sightengine, wrapped in a Zod-schema API for any MCP client (Cursor, Claude Code).
- [github.com/Voltaic-Studio/judge-ai](https://github.com/Voltaic-Studio/judge-ai)

### MCP Vulnerability Scanner (Hackathon)

- Full-stack scanner (Next.js + FastAPI) where an AI agent audits MCP servers against the OSS Safe-MCP database.
- Engineered backend to snapshot tools and stream logic via NDJSON to visualize MITRE threats in real-time.
- [github.com/luiginotmario/coderabbit\\_hackathon](https://github.com/luiginotmario/coderabbit_hackathon)

### Supermemory Assistant (Hackathon)

- Reverse-engineered Meta Ray-Ban SDK to track physical objects via VLM (Moonshot) and store in Mem0 (RAG).
- Implemented voice retrieval via Grok with results delivered through WhatsApp Business SDK.

### Real-time Identity HUD (Hackathon)

- Built a real-time HUD for Meta Ray-Ban glasses to identify people during conversation.
- Engineered a custom scraping pipeline (Patchright/Selenium) for reverse image lookup and aggregated public footprint summaries.

### **ToM Sandbox Simulation** *(Side Quest)*

- Exploring consciousness as an evolutionary consequence of needing to understand another's internal state (Theory of Mind).
- Building a sandbox where agents compete for resources, monitoring latent spaces for internal "aliases" of other agents.
- Testing the hypothesis that recursive reasoning is a computational compression shortcut (MDL) vs memorizing external actions.

### **Other Side Quests** *(Coming Soon)*

- Mobile apps in progress, plus a simple voice OpenClaw assistant designed for non-technical people.

## **SKILLS & INTERESTS**

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- **Tech:** Multi-Agent Systems (Clustering), Fullstack TypeScript, Infra/DevOps, Database (Prisma, Postgres, Redis), UI Engineering (Tailwind, Shadcn), Inference Optimization.
- **Design:** Product Design, Figma, UX/UI.
- **Interests:** Theory of Mind, MDL in Synthetic Brains, Kardashev Scaling, Sampling Efficiency.

## **EDUCATION**

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### **College Dropout (Freshman Year)**

- Dropped out to focus on building startups and product engineering.

### **High School — IB Diploma**

2021 – 2023