

Thibault Verny

Berkeley, CA | F-1, STEM OPT eligible

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SUMMARY

Builds and operates LLM agents in production: MCP servers, RAG connectors, evals and tracing, governance across hundreds of live agents. Ships directly with clients, from scoping to deployment. M.A. Statistics & Data Science at UC Berkeley, graduating May 2027.

WORK EXPERIENCE

WAKAM (INSURANCE)

Paris

AI Engineer Intern

Jun 2026 – Aug 2026

- Shipped an **actuarial agent** over **MCP servers** and **RAG connectors**, validated in production through **Langfuse** evals on latency, cost and answer quality.
- Automated end-to-end governance of 685 production LLM agents**: **CRON**-triggered ingestion from the analytics API into **PostgreSQL**, backfilled over five months of usage history.
- Built classification and anomaly rules over daily consumption, isolating **27 dormant agents** for decommissioning and giving management its first consolidated view of platform usage and cost.
- Prototyped deduplication of agent configs: **YAML parser** and **deterministic fingerprinting**, validated by **29 Vitest suites**.

DPULSE.AI (EPFL STARTUP LAUNCHPAD)

Lausanne

Co-founder & Founding Engineer

Sep 2025 – Jan 2026

- Took **probabilistic topic models** from blank repo to a working **NLP product** in one semester alongside two EPFL professors, optimising for **calibration** so that non-technical readers could act on the output.

JUNIOR ENTERPRISE EPFL

Lausanne

Vice-President | Best Junior Enterprise in Switzerland 2026

Sep 2024 – May 2026

- Scoped and delivered a **CHF 150k+** portfolio of ML/AI and software mandates **directly with external clients**, from first scoping conversation through delivery; contributed to a record **CHF 425k** year.

EPFL – AUTOMATIC CONTROL LABORATORY

Lausanne

Research Assistant – Real-Time Sensing & Estimation (Graded 6/6)

Feb 2026 – Jun 2026

- Characterised the **empirical error distribution** of UWB ranging, showing multipath residuals depart substantially from the Gaussian model the standard estimator assumes.
- Ran ranging at **20 Hz** on **ESP32/DW3000** hardware, tuning acquisition timing to cut derived-velocity noise **10x**.

EDUCATION

UC BERKELEY

Berkeley, CA

M.A. Statistics & Data Science

Aug 2026 – May 2027

- Coursework: probability theory, statistical inference, statistical learning theory, statistical computing.

EPFL

Lausanne, Switzerland

B.Sc. Mechanical Engineering

Sep 2023 – Jun 2026

- Ranked **top 5% of cohort in mathematics and programming**. **Teaching Assistant**, Analysis III and Programming for Engineers, selected as an undergraduate.
- Grades: **Analysis III 5.75/6**, **Probability 5.5/6**, **Analysis IV 5.5/6**; optimization, statistics, numerical methods, ML.

SELECTED PROJECT

HACKEUROPE: MARKET WHISPERER

2026

LLM-Driven Risk Engine | Top 3, Data Analysis track

- Built a **live risk engine** in **Python** inside the hackathon window, using **LLMs** to fuse prediction-market prices (Polymarket), news and social signals into a single estimate; scored against realised outcomes rather than sentiment accuracy.

SKILLS & LANGUAGES

- LLM Engineering**: agent orchestration & tool calling, **MCP servers**, **RAG** & vector search, evals & tracing (**Langfuse**), fine-tuning (LoRA), prompt design.
- Programming**: **Python** (NumPy/SciPy, pandas, scikit-learn), **TypeScript**, **React/Next.js**, **SQL** (PostgreSQL), C, Rust, MATLAB.
- Backend & Data**: schema design, **ETL** & scheduled pipelines, REST APIs, data-quality checks, statistical inference & calibration, Docker, Git.
- Languages**: French (native), English (**C1 – TOEFL 105**), German (**B2 – Goethe**). **Interests**: triathlon, windsurfing instructor, piano.