


# Thibault Verny

Lausanne, Switzerland

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## SUMMARY

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Incoming M.A. Statistics & Data Science at UC Berkeley. Experience in statistical modeling, NLP pipelines, and signal processing under uncertainty.

## WORK EXPERIENCE

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### WAKAM

*AI Engineer Intern (Incoming)*

Paris

Summer 2026

### EPFL – AUTOMATIC CONTROL LABORATORY

Lausanne

*Research Assistant – Wireless Sensing & UWB Tracking*

Feb 2026 – now

- Built **ESP32/DW3000** UWB tracking pipelines with **sub-10 cm accuracy** and **50 Hz** real-time performance.
- Reduced positioning noise by **20%** using custom C-based signal filtering and experimental robustness validation.

### DPULSE.AI (EPFL STARTUP LAUNCHPAD)

Lausanne

*Co-founder & Founding Engineer*

Sep 2025 – jan 2026

- Co-founded a startup (with two EPFL professors) building NLP pipelines for employee narrative analysis.
- Developed **probabilistic topic models** under uncertainty, improving calibration robustness by **20%**.

### JUNIOR ENTERPRISE EPFL

Lausanne

*Vice-President Partnerships & Talent Acquisition*

Sep 2024 – now

- Scaled project acquisition by **25% YoY** and led multidisciplinary Data Science & Engineering teams on a **CHF 150k+** portfolio.

### BITFURY

France

*Internship*

2022

- Built a cost-analysis model for renewable-powered bitcoin mining feasibility.

## EDUCATION

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UC Berkeley — Incoming M.A. Statistics & Data Science

2026 –

Berkeley, CA

### EPFL

Lausanne

*B.Sc. in Mechanical Engineering*

2023 – 2026

- Ranked in **top 5% in math/programming**. Teaching Assistant for Analysis III and Programming for Engineers.
- Coursework: Probabilities (5.5/6), Analysis III/IV (5.75 & 5.5), Optimization, AI

Lycée Gerson (Paris) – French Baccalaureate, **Highest Honors**. Exchanges: UK (2019), DE (2021).

2020 – 2023

## TECHNICAL PROJECTS

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### HACKEUROPE: MARKET WHISPERER

2026

*AI Portfolio Risk Engine — Top 3 Data Analysis*

- Engineered a risk predictor using **LLMs** to synthesize sentiment signals from X, Polymarket, and financial news.
- Developed a **Python-based risk engine** for real-time portfolio volatility forecasting driven by live event data.

### EPFL: ROBOTICS & COMPUTER VISION

2025

*Autonomous Fruit-Picking System — Ranked 4/60*

- Implemented vision-based control loops in **Python and C** to navigate and operate in high-noise environments.
- Applied **statistical modeling** to transform raw visual observations into reliable inputs for real-time robotic actuation.

## SKILLS & LANGUAGES

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- **Programming:** Python, C, MATLAB, TypeScript, JavaScript, Rust,  $\text{\LaTeX}$ .
- **Data & Technical:** SQL, Statistical Inference, Stochastic Processes, Signal Processing, Optimization.
- **Languages:** French (Native), English (**C1 - TOEFL 105**), German (**B2 - Goethe**).

## INTERESTS

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- Windsurfing Instructor, Triathlon (Olympic distance), Skiing; Piano (16 years of practice), Non-profit ambassador for *1 lettre 1 sourire*.