

# Louis Legrain

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## EDUCATION

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### EPFL

*Exchange semester, Section of Communication Systems*

Lausanne, CH

Sep 2025 — Jan 2026

- Committees: Entrepreneur Club Innovator's Circle

### École Polytechnique

*Bachelor of Science, Double major in Mathematics & Computer Science*

Palaiseau, FR

Sep 2023 — Jun 2026

- Cumulative GPA: [request the full version](#)
- Committees: CSCCommittee, Binet Réseau, Speech Contest Organization

### Lycée Sainte-Geneviève

*High School, Maths & Physics-Chemistry & CS specialties with Expert Maths option*

Asnières, FR

Sep 2020 — Jun 2023

- Final grade: [request the full version](#)
- Graduated with highest honors
- Committees: Mini-Company

## WORK EXPERIENCE

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### Co-Founder – Bumbo Labs

Sep 2025 — Present

Currently working on a proof of concept. Aiming to build tools for greener AI.

### AI engineer – L'Oréal

Jul 2024 — Aug 2024

Developed a secure API Tool on top of L'OréalGPT, the in-house AI assistant.

Expanded LLM capabilities by leveraging 2,000+ internal APIs, enabling models to execute API calls, retrieve structured data, and trigger workflow actions.

- Technologies: Python, FastAPI, SQL, Terraform, Google Cloud, Langchain, Docker

### Founder – Vinted Copilot

Jan 2022 — Present

Built a SaaS real-time tracking service for Vinted items, adopted by 100k+ users.

Fine-tuned a language model to enhance seller experience by optimizing prices and descriptions.

- Technologies: ReactJS, NodeJS, MongoDB, Supabase, Docker, Stripe, PyTorch, LoRA

### Software engineer – Fiverr

Sep 2021 — Dec 2022

Designed tailor-made websites and custom programs for Fiverr clients.

Delivered 20+ orders, maintaining a 4.9/5 client satisfaction rating.

- Technologies: HTML, CSS, ReactJS, NodeJS

## VOLUNTEER EXPERIENCE

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### Web developer – Hope média solidaire

Jan 2021 — Dec 2022

Designed and built a website for Hope, a non-profit organization helping children with disabilities through sports.

### Software engineer – Sainte-Geneviève's mini-company

Sep 2020 — Jun 2021

Created a video game to raise awareness about cancer, and collect funds for a cancer charity.

## PERSONAL EXPERIENCE

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### Road Trip

Feb 2018 — Aug 2018

Traveled across South America for 7 months with my family. Staying at local hosts, meeting people from different cultural backgrounds, organizing myself to do my homework independently, and hiking through amazing landscapes, at only 12 years old, increased my adaptability, autonomy, critical thinking and Spanish skills.

## SKILLS AND INTERESTS

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**Languages:** French (native), English (C1), Spanish (B2)

**Tech stack:** Python, JavaScript, React, PHP, MySQL, MongoDB, C/C++, Rust, Docker

**Interests:** Traveling, tennis, biking, hiking, chess