

Etienne Boisson

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PROFESSIONAL SUMMARY

AI Research Engineer with experience in pretraining, instruction tuning, reinforcement learning, and model evaluation. Skilled in building datasets, training pipelines, and benchmarks to adapt large models for real-world applications. Strong track record across academia and international organizations.

EDUCATION

EPFL & Yale

MSc Thesis

MSc of Data Science, 5.5/6.0 GPA

New Haven, USA, 2024-2025

Lausanne, Switzerland, 2022-2024

EPFL

BSc of Computer Science / Communication Systems,

Lausanne, Switzerland, 2018-2022

EXPERIENCES

Research Associate, LiGHT Lab, EPFL & Yale

Mar 2024 – Sep 2025

Released Apertus-Meditron-FO, a medical finetuning of the first Fully Open Swiss LLM Apertus, and Mediset, a curated medical instruction-tuning dataset. Handling of clusters of A100 GPUs for the training.

MSc Thesis & Postgraduate Associate, LiGHT Lab, EPFL & Yale

Oct 2024 – Apr 2025

Master's thesis on enhancing safety, instruction-following, and medical capabilities of Meditron LLMs, through supervised fine-tuning and preference optimisation techniques. Built a comprehensive evaluation pipeline and supervised 4 students. Expansion of the Meditron Protocol to various families of models on a complex infrastructure.

Intern at the International Committee of the Red Cross, ICRC

Jul 2024 - Aug 2024

Co-designed multi-agent architecture for LLM chat capabilities in low-resource settings. Machine learning methods for budget prediction and resource allocation.

Research Engineer Student, MLO Lab, EPFL

Sep 2023 – Jul 2024

Core contributor to Meditron-70B medical LLM. Designed instruction-tuning datasets (Scraping, Optical Character Recognition, Synthetic Data Generation), developed multi-agent pipeline, adapter fine-tuning (QLoRA), and Reinforcement Learning by Human Feedback.

Startup: Co-Founder & Founding Engineer @ Deal'icious (EPFL)

Sep 2023 - Aug 2024

An app empowering healthier food choices with affordability. Led technical decisions and project management.

AI Engineer Intern @ Synature

Jul 2023 – Aug 2023

Data processing and Machine Learning and Deep Learning methods on audio data for wildlife monitoring.

PUBLICATIONS

Llama-3-Meditron: An Open-Weight Suite of Medical LLMs Based on Llama-3.1 at [GenAI for Health, AAAI 2025](#)

High-performing open-weight medical LLM suite built on Llama-3.1, pre-trained on curated texts, fine-tuned with diverse instructions, and enhanced by MediTree for state-of-the-art medical QA and benchmarks.

GPoet: a Language Model Trained for Rhyme Generation on Synthetic Data at LaTeCH-CHL 2023

Fine-tuning a GPT-2 model to address text constraints in the context of poem generation.