Jean-Baptiste Conan

EDUCATION

ETH Zürich - Mathematics MSc - Statistics & Machine Learning   Sep. 2022 – Jan. 2025
Zürich, Switzerland
- Master's Thesis at UC Berkeley
- Association: Google Developer Student Club

EPFL - Mathematics BSc   Sep. 2018 – Feb. 2022
Lausanne, Switzerland
- Associations: Coaching and Junior Entreprise EPFL

EXPERIENCE

Visiting Student Researcher   November 2024 - April 2025 (6 months)
University of California, Berkeley   *Berkeley, California*
- Researching methods for causal reasoning in deep neural networks.

Management Consulting Intern - Data Science   May 2023 - October 2023 (6 months)
Capgemini Invent   *Zürich, Switzerland*
- Developed the offering for GenAI projects in clinical trials for Pharma. Researched technology and market trends. Created a PoC in python to interact with LLMs (code here).

Instep Program - Machine Learning Intern   Jun. 2022 - Jul. 2022 (8 weeks)
Infosys   *Bangalore, India*
- Algorithms for graphical database to highlight links in set of entity (documents). Used NLP technique to automatically retrieve topics of interest within each entity. *Python, Spacy and Dgraph.*

Junior Entreprise EPFL - HR & IT Vice-President   March 2020 - Jun. 2022 (2.5 years)
EPFL   *Lausanne, Switzerland*
- Non-profit association, promotes professional integration of students, members are students and volunteers.
- Co-managed 44 members, oversaw 57 projects including 29 personally managed (CHF 146K personal turnover out of 350K yearly), led a recruitment of 50+ applications with 2 steps interviews, organized member training, handled customer/student relations and legal contract drafting.

Teaching Assistant   2019 – 2024
EPFL/ETH   *Lausanne/Zürich, Switzerland*
- EPFL: MATH-100(a) Advanced Analysis, MATH-111(f) Linear Algebra, MATH-106(en) Analysis (English)
- ETH: 401-2464-00L Analysis IV, teaching of a class 2h/week, homework correction.

PROJECTS

Start Ups
- Cofounded VezmirAI (vezmir.ai), a pay-as-you-go solution for using common AI chat (chatgpt, claude, perplexity). Scaled to 100+ active users.
- Developed data leakage prevention methods at Sefira AI (2024) using LLM techniques, achieving 90%+ accuracy.
- Co-founded Noteless (2023), an AI-powered academic writing tool, project discontinued due to insufficient PMF.

Deep Learning, Machine Learning & Optimization
EPFL-ETHZ
- Deep Learning & Algebraic Topology: Proposed an extension to the Raindrop algorithm to higher-order structure.
- Deep Learning: Learning sound texture with neural networks, and generating audio with modified sound texture (code available here).
- Deep Learning: Piano notes generation using diffusion models (code available here).
- Bachelor Project: Simulation of Schramm Loewner Evolutions (code available here).

Web Development
- Developed JE EPFL's new website (je.epfl.ch) and created a WebApp for automated business prospecting that generates emails to newly registered Swiss companies using NLP techniques.