Lausanne, CH anatole.wiki linkedin.com/in/debierre anatole.debierre@gmail.com

ANATOLE DEBIERRE

SUMMARY

MSc Computer Science student at EPFL. Previously an ML engineering intern on Uber's Traffic team, testing hypotheses about how traffic should be measured and predicted globally. Background in robotics, computer vision, and statistics. I enjoy long puzzles.

EDUCATION

EPFL, Lausanne Sep 2026 – Jul 2028
Master of Science, Computer Science

- **Coursework**: Formal Verification, Functional Programming, Machine Learning, Data Analysis
- **BSc Microengineering** (2023 – 2026): Linear Algebra, Statistics, Numerical Analysis, Optimization Methods, Mathematical Systems Theory, Object-Oriented Programming, Logic Systems, Microcontrollers
- **Year Abroad**: KTH Stockholm, Electrical Engineering and Computer Science (2025 – 2026)

EXPERIENCE

Uber Technologies, Amsterdam Feb 2026 – Jul 2026
MLE Intern, Traffic Internship

- Drove research across a traffic prediction stack ingesting 100k+ GPS pings/sec globally, spanning learned road network representations and inference of unobserved traffic state from floating car data
- Built the team's backtesting pipeline for evaluating research models against production predictions
- Extended beyond scope into adjacent problems in map matching, implemented ideas from literature
- Designed a traffic light phase estimation system reaching $\sim$2.0s transition timestamp MAE
- Interned alongside full-time coursework, and received an invitation to stay full-time

UNIL Sports & Health, Lausanne Aug 2024 – Jul 2025
Research Developer Part-time

- Developed multi-camera vision system for movement analysis, cutting manual work **from 5hrs to 1min**
- Applied epipolar geometry to reconstruct joints from noisy data in a way that's robust to obstructions
- Enabled multi-player tracking with Kalman filters, and built a dynamic dashboard to explore the field in 3D

EPFL, Lausanne Feb 2025 – Jul 2025
Teaching Assistant, Probability & Statistics Part-time

- Taught $\sim$**50** students, using interactive notebooks to strengthen probabilistic reasoning

AWARDS & PROJECTS

Jane Street Portal Program, Zurich Sep 2025

- Selected as one of 30 from >3,000 for a week-long educational program focused on research

Apple WWDC Scholar, Cupertino 2022, 2024

- Built apps simulating electoral systems and their failure modes, from Arrow's theorem to strategic voting

Mechanism-design GPU marketplace (CalcX), Stockholm Nov 2025

- Hackathon project: a live, zero-trust market renting idle consumer GPUs for verifiable computation

Study-abroad assignment predictor (ExSight), Lausanne Aug 2024 – Jun 2025

- Reimplemented EPFL's assignment algorithm so students could see their odds from GPA and preferences
- Reached **>99%** adoption rate among **>650** users, becoming the de facto tool for exchange planning

ADDITIONAL INFORMATION

Skills: Agentic SWE, Python (NumPy, Pandas, OpenCV), C++, TypeScript, Scala; Spark, SQL; FPGA
Interests: Effective altruism, Mechanism design, Voting systems, Rock climbing, Urban mobility, Losing at poker