Jonathan Maillefaud

ETH Zürich Student

Profile

Birth date

15 November 2003

Nationalities

Swiss, German, French

Links

www.linkedin.com/in/jmaillefaud

https://github.com/BrokenDuck

https://jonat.me/

Contact

Phone

+41 79 524 63 38

Email

jonathan.maillefaud@gmail.com

Residence

8050 Zürich

Skills

Languages

French (native), German (native), English (C2), Mandarin (A2)

Advanced

Azure, C++, Git, Python, PyTorch, Fullstack development

Good

C, C#, Java, Q#, Rust

Soft

Analytical Thinking, Communication, Learning Agility, Problem Solving, Teamwork

Education

Swiss Federal Institute of Technology in Zürich (ETHZ)

September 2025 – Now

Master of Science ETH in Computer Science

Hong-Kong University of Science and Technology (HKUST)

February 2024 – June 2024

Exchange semester at HKUST

Swiss Federal Institute of Technology in Zürich (ETHZ)

October 2021 – July 2025

Bachelor of Science ETH in Computer Science (5.3/6)

Bachelor Thesis: Higher-order Drug Interactions with Hypergraph Neural Networks (5.75/6)

Teaching assistant at ETH: Digital Design and Computer Architecture (2023), Numerical methods for Computer Scientists (2023, 2024)

Institut Florimont, Petit Lancy (GE)

2007 – 2021

Matura with distinction (5.3/6)

Matura paper: Solving Graph Coloring on a Simulated Quantum Computer – an application of Grover's algorithm (6/6)

Work Experience

Evooq, Zürich – AI Engineer

March 2025 – September 2025

(Leading provider of high-quality personalized investment services)

Built an agentic system capable of understanding natural language queries and answering them using structured reasoning on top of the quantitative risk engine.

Other Engagements

ElectOMate – Lead Engineer

2024

ElectOMate helps voters build informed opinions by finding the parties best aligned with their views. Available as a web-application, it uses a powerful RAG system based on semantic parsing of hundreds of party manifestos. Developed by over twenty researchers and students at ETH Zürich, Hochschule St. Gallen, and University of Zürich.

ETH Model United Nations Society

2022 - 2024

Vice-President, Treasurer

Member of Organization Committee of Zürich MUN conference

Volunteers Initiative Nepal

July 2024

Teaching English and other skills to children in a remote area of Nepal

Zürich Rowing Club

Rowing in a team since 2014