Jonathan Maillefaud

ETH Zürich Student

Profile

Birth date
15 November 2003

Nationalities
Swiss, German, French

LinkedIn
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Contact

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jonathan.maillefaud@gmail.com

Skills

Languages
French (native), German (native), English (fluent/C1), Mandarin (beginner/A2)

Programming
C, C++, Python, Java, PyTorch, Rust
GitHub

Education

Hong-Kong University of Science and Technology (HKUST)
February 2024 – June 2024

Exchange semester at HKUST

Taking postgrad courses in Deep Learning and Computer Graphics

Swiss Federal Institute of Technology in Zürich (ETHZ), Switzerland
October 2021 – Present

Bachelor of Science ETH in Computer Science (Expected January 2025)

Current average: 5.3/6

Teaching assistant for courses: Digital Design and Computer Architecture, Numerical methods for Computer Scientists

September 2024 – Present

Bachelor Thesis: Higher-order Drug Interactions with Hypergraph Neural Networks

Institut Florimont, Petit Lancy (GE), Switzerland
2007 – 2021

Matura with distinction (5.3/6)

Major: *Physics and Applied Mathematics*

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

Work Experience

ID Quantique, Carouge (GE) – Internship
June 2019

(Leading provider of quantum-safe crypto solutions)

Responsible for the development of a user interface to interact with the Quantis QRNG Chip (generates truly random numbers using light noise, in use in the Samsung Galaxy Quantum 3 smartphone.)

Supervisor's evaluation: Very Good

Other Engagements

ETH Model United Nations Society
2024

Board Member, Vice-President, Responsible for finances

Spring 2023

Member of Organization Committee of Zürich MUN conference

2021 – Present

Member, active participation in several international conferences

Volunteers Initiative Nepal
July 2024

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