Ruben Leuzinger

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General Information

- **Full Name:** Ruben Enrico Leuzinger (Male)
- **Year of Birth:** 2005
- **Nationality:** Swiss (Switzerland)

Some of my academic interests include quantum computing and other applications of quantum technology, digital circuits, chaos theory, and applied optimization methods.

Education

Eidgenössische Technische Hochschule Zürich (ETH Zurich), BSc in Physics   Sept 24 – Oct 27 (expected)

- **Current Grade average:** 5.92/6.0
- **Coursework:** Analysis, Linear Algebra, Physics, Computer Science, Data Analysis

Kantonsschule Uster, Matura focused on Applied Mathematics and Physics   July 19 – July 23

- **Grade average:** 5.0/6.0
- **Noteworthy Courses:** Applied Mathematics, Python

Projects

Personal Website   Feb 25

- Created personal website, to share academic documents and personal insights, using Wordpress.
- rubenleuzinger.com

Das Doppelpendel: Zufall oder Chaos? Eine Analyse chaotischen Verhaltens   Oct 22

- Simulated a double pendulum using Python and studied the chaotic behavior under consideration of attractors in phase space and Lyapunov-Exponents.
- Maturitätsarbeit supervised by Dr. Florian Leupold

Competitions

Náboj   Mar 23

- Náboj is an international Mathematics Team Competition for high-school students.
- 1st place Switzerland

National physics olympiad   22/23

- 16th place at the second round of the national physics Olympiad, qualifying for final round and training weekend in Lausanne.

Work Experience

I had already had the opportunity to gain work experience in different fields. During my time in school I tutored math. I completed the mandatory basic training in the swiss army as a Panzergrenadier, worked briefly in a pharmacy, and in a primary school as a teaching assistant. I did fundraising for non-profit organizations where I was promoted to team leader, being responsible for a team of five employees.

Skills

Languages: German (Native), English (Fluent), French (B2)

Programming: C++, Python

Others: LaTeX, Wordpress