



# Michael RICHTER

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## SUMMARY

Robotics Student at EPFL, I am looking to develop my professional experiences and learn new skills. Curious and rigorous, I am always willing to dive into new subjects and seek challenges. I am driven by meaningful work that has positive impact on the world.

## EDUCATION

**ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE, SWITZERLAND** *2021-Present*  
MASTERS IN ROBOTICS, SPECIALISATION ON MOBILE ROBOTICS  
CLASSES OUTSIDE OF STUDY PLAN  
• Applied Data analysis | 2022

**ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE, SWITZERLAND** *2018-2021*  
BACHELOR IN MICROENGINEERING

**GYMNASE DE NYON, SWITZERLAND** *2015-2018*  
SWISS MATURITÉ FÉDÉRALE

## EXPERIENCE

**RECONFIGURABLE ROBOTICS LAB, EPFL** *2022*  
ORIGAMI INSPIRED 1DOF HAPTIC STYLUS, SEMESTER PROJECT

**EPFL FORMULA STUDENT TEAM (FSAE)** *2021-Present*  
• MECHANICAL INTEGRATION OF ELECTRONICS, DESIGN AND MANUFACTURING | 21-22  
• SOC ESTIMATOR, REGENERATIVE BRAKING AND POWER LIMITER CONTROL AND SIMULATION | 22-Present

**EPFL** *2020/2021*  
TEACHING ASSISTANT IN PHYSICS I: MECHANICS

**NYON AREA, SWITZERLAND** *2014-Present*  
TUTORING IN MATHEMATICS, PHYSICS, CHEMISTRY, ENGLISH UP TO HIGH-SCHOOL LEVEL

## SKILLS

**LANGUAGES** *Native:* English *Fluent:* French *Basic:* German | Swedish

**PROGRAMMING LANGUAGES** *Experienced:* Python | MatLab/Simulink | C/C++ | VHDL  
*Basics:* HTML/CSS | Assembler | LabView

**CAD PROGRAMS** CATIA | 3DExperience | Fusion 360

**OTHER** LaTeX | Git | Office suite | Composite manufacturing  
CNC machining | 3D printing (FDM) | Laser cutting

## OTHER INTERESTS

- **Music** Guitar, bass and drums
- **Sports** Bouldering, Skiing, Back-country skiing, Tennis, Volleyball