



# 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'm driven by meaningful work that has positive impact on the world.

## EDUCATION

**ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE (EPFL), SWITZERLAND** *2021-Present*  
Masters in Robotics, specialisation on mobile robotics  
Classes outside of study plan  
• Applied Data analysis | 2022

**ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE (EPFL), 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** *Fluent:* English | French *Basic:* German | Swedish

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

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

**OTHERS** LaTeX | Git | Office suite | Composite manufacturing | CNC machining  
3D printing | Laser cutting

## OTHER INTERESTS

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