

Marc Bachelet

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EDUCATION

RWTH Aachen University

B.Sc. Electrical Engineering and Information Technology

Aachen

Oct. 2023 – Present

École Polytechnique Fédérale de Lausanne (EPFL)

B.Sc. Microengineering (GPA 5.23/6, transferred to RWTH after 4 semesters studied for health reasons)

Lausanne

2019 – 2023

Lycée Franco-Allemand (LFA)

German-French Abitur (GPA: 20.0/20)

Buc, France

2007 – 2019

WORK EXPERIENCE

Metalworking Internship

École technique des Métiers Lausanne

July 2023

Lausanne

- Metalworking with turning and milling machines, welding, and assembling a functional Stirling engine

Assembly Internship

Airbus Defence and Space

July 2017

Immenstaad

- Production line of the Do-DT25 target drone

Tutor

Self-employed and at university

2016 – Present

- Tutoring in Mathematics, Physics, and Chemistry for students grades 4–12
- Tutor positions in Higher Mathematics 1 (EPFL), Computer Science 1 (RWTH)

SAMPLE PROJECTS

EPFL Spacecraft Team | Kicad, C++, Fusion360

Sept 2022 – July 2023

- Design, testing, and integration of a PCB as part of the CanSat program
- Successful launch and recovery of a can-sized satellite using fins and parachute

Mechanical engineering semester project | CATIA V5

Feb 2020 – June 2021

- Design of a portable seeder
- Project report: dimensioning, structural constraint calculations

Miniature Elevator with AVR Microcontroller | assembly, serial communication

Feb 2022 – July 2023

- Programmed an elevator model in assembly language

TECHNICAL SKILLS

Programming: C/C++, Python, Matlab

Hardware Design: Kicad, basics in Fusion 360 and Catia V5

Electronics: Prototyping with breadboards and PCB assembly; programming in microcontrollers (ESP32, Arduino)

LANGUAGES

German: Native

French: Native

English: C1