

# Marc Bachelet

+33 695293132 | [mail@marcbachelet.com](mailto:mail@marcbachelet.com) | [linkedin.com/in/marcbachelet](https://linkedin.com/in/marcbachelet)



## EDUCATION

<b>RWTH Aachen University</b> <i>B.Sc. Electrical Engineering and Information Technology</i>	Aachen
	<i>Oct. 2023 – Present</i>
<b>École Polytechnique Fédérale de Lausanne (EPFL)</b> <i>B.Sc. Microengineering (GPA 5.23/6, transferred to RWTH after 4 semesters studied for health reasons)</i>	Lausanne
	<i>2019 – 2023</i>
<b>Lycée Franco-Allemand (LFA)</b> <i>German-French Abitur (GPA: 20.0/20)</i>	Buc, France
	<i>2007 – 2019</i>

## WORK EXPERIENCE

<b>Metalworking Internship</b> <i>École technique des Métiers Lausanne</i>	July 2023
• Metalworking with turning and milling machines, welding, and assembling a functional Stirling engine	Lausanne
<b>Assembly Internship</b> <i>Airbus Defence and Space</i>	July 2017
• Production line of the Do-DT25 target drone	Immenstaad
<b>Tutor</b> <i>Self-employed and at university</i>	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

<b>EPFL Spacecraft Team</b>   <i>Kicad, C++, Fusion360</i>	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	
<b>Mechanical engineering semester project</b>   <i>CATIA V5</i>	Feb 2020 – June 2021
• Design of a portable seeder	
• Project report: dimensioning, structural constraint calculations	
<b>Miniature Elevator with AVR Microcontroller</b>   <i>assembly, serial communication</i>	Feb 2022 – July 2023
• Programmed an elevator model in assembly language	

## TECHNICAL SKILLS

<b>Programming:</b> C/C++, Python, Matlab
<b>Hardware Design:</b> Kicad, basics in Fusion 360 and Catia V5
<b>Electronics:</b> Prototyping with breadboards and PCB assembly; programming in microcontrollers (ESP32, Arduino)

## LANGUAGES

<b>German:</b> Native
<b>French:</b> Native
<b>English:</b> C1