



Eric Carl Richter

20/08/1998

BSc Micro- Engineering EPFL
MSc Mechanical Engineering ETH

Contact

Mobile: +41 78 686 55 30
Email: errichter@ethz.ch
Linkedin: [eric-richter-704567184](https://www.linkedin.com/in/eric-richter-704567184)

Roots

Switzerland: *Citizen*
Sweden (Father): *Citizen*
Lebanon (Mother)

Languages

English: *Native*
French: *Native*
German: *Fluent*
Swedish: *Conversational*

Programming Experience

Python
C++
C
Matlab
VHDL
Assembly
SQL

Modelling and Simulation

Fusion 360
Catia V5
COMSOL

Education:

Ongoing
2022



MSc in Mechanical Engineering at ETH Zürich (GPA 5.41/6)

Fields of study: Robotics and Control, Machine Learning, POM and Sustainability, Micro- Nano- Systems

Semester Projects:

- Evolutionary Optimization of small world neuromorphic systems for speech recognition tasks on the edge.

2022
2020



ShARE's Leadership Programme of Excellence (EPFL Chapter)

Fields of study: Consulting, Management, the Do Well Do Good mindset

Projects:

- Renewables in Lebanon
- Time Designers (Startup)
- Pneumoscope (startup)
- UniDress (Startup)
- Training Presentation
- Consulting
- Consulting
- Consulting

2022
2021



MSc in Micro-Engineering at EPFL (discontinued) (GPA 5.30/6)

Fields of study: Embedded Electronics, Semi-Conductors, Micro- Nano- Systems, Supply Chain Dynamics, Robotics, Photovoltaics

Semester Projects:

- COMSOL simulation of coupling of superconducting electromagnetic resonators
- Automatic measurement and analysis of bee comb vibration using a Laser Doppler Vibrometer

2021
2018



BSc in Micro-Engineering at EPFL (GPA 5.23)

Fields of study: Mechanical Engineering, Electrical Engineering, Material Science, Computer science, Manufacturing, Optics, Micro-fabrication, Sensors, Micro-Controllers, FPGA, Mobile Robots

2017



Off-Program Studies at USJ Beirut

Fields of study: International Relations, Geopolitics, History, Philosophy

Experience:

Ongoing
2023



Student Assistant at Chiral Nano (ETH Spin-Off)

Practical Skills: Clean Room

2021



Teaching Assistant in Mathematical Analysis ("Analyse II")

2018



Intelligence Soldier in the Air Force

Fields: Aviation & FUNK, Discipline, Physical and Mental Robustness

Student Associations / Competitions:

2021



Award Winning Team at iGEM: International Genetically Engineered Machine

Main Positions: Head Engineer, Chemistry laboratory operator

Awards: Gold Medal, Best wiki award, best environmental project nomination

2022



EPFL ShARE Chapter (Consulting, Leadership, Do Well Do Good)

Main Positions: Vice-President (2022), Learning Unit Manager, Consultant