



Eric Carl Richter

20/08/1998

BSc Micro- Engineering EPFL
MSc Mechanical Engineering ETH

Contact

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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

2024	ETHZ
2022	Zürich
2022	ShARE
2020	(EPFL)
2022	EPFL
2021	Lausanne
2021	EPFL
2018	Lausanne
2017	USJ
	Beirut

MSc in Mechanical Engineering GPA: 5.41 (1-6, pass at 4)
Fields of study: Robotics and Control, Machine Learning, Neuromorphic Computing, Computer Vision, POM and Sustainability, Micro- Nano-systems
Semester Projects:
- Evolutionary optimization of neuromorphic networks for classification

ShARE's Leadership Programme of Excellence

Fields of study: Consulting, Management, the Do Well Do Good mindset
Projects:
- Renewables in Lebanon
- Training Presentation
- 3 Startup consulting projects
- Consulting

MSc in Micro-Engineering GPA: 5.30

 (1-6, pass at 4)

Fields of study: Embedded Electronics, Semi-Conductors, Micro- Nano-Systems, Supply Chain Dynamics, Robotics, Photovoltaics
Semester Projects:
- COMSOL simulation of coupling of superconducting EM resonators
- Automatic analysis of vibration using a Laser Doppler Vibrometer

BSc in Micro-Engineering at EPFL GPA: 5.23

 (1-6, pass at 4)

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

Off-Program Studies at USJ Beirut

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

Experience

2023	Chiral Nano
	Zürich
2021	EPFL
	Lausanne
2018	Swiss Army

Research Assistant
Practical Skills: Clean Room

Teaching Assistant in Mathematical Analysis ("Analyse II")

Intelligence Soldier in the Air Force

Student Associations/Competitions

2021	iGEM
	Lausanne
2022	ShARE
2020	Lausanne

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

EPFL ShARE Chapter

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