



## 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:

- 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 - Training Presentation  
- Time Designers (Startup) - Consulting  
- Pneumoscope (startup) - Consulting  
- UniDress (Startup) - 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 5.23/6)**  
*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