

# François Michel

## Computer Scientist

@ francois.michel@epfl.ch +41 77 485 89 65 Chemin des vignes 7, 1124 Gollion, Switzerland  
francois-michel flmichel Swiss and French citizenships Date of birth: 16.07.1998



## Education

Master Degree in Computer Science with Major in Cybersecurity  
École Polytechnique Fédérale de Lausanne (EPFL) and ETH Zürich

📅 expected August 2022 📍 Lausanne, Switzerland

Bachelor Degree in Communication Systems  
École Polytechnique Fédérale de Lausanne (EPFL)

📅 September 2017 – June 2020 📍 Lausanne, Switzerland

Exchange Year in Computer Science  
University of Washington

📅 September 2019 – June 2020 📍 Seattle, United States

## Experience

Security Engineer Intern  
Secutix

📅 February 2022 – August 2022 📍 Lausanne, Switzerland

Security analysis of different physical access control system for large events. Design and implementation of a new secure physical access control system.

Software Engineer Intern  
Cyberbotics Ltd.

📅 August 2021 – September 2021 📍 Lausanne, Switzerland

Creation of the model of the Rovable robot for Harvard and the MIT Space Exploration Initiative in a robot simulation software. Implementation of new features in that software.

Teaching Assistant  
EPFL

📅 September 2018 – February 2019 📍 Lausanne, Switzerland

Teaching Assistant for the Advanced Information Computation and Communication lecture.

Tutor in Math  
2015 – 2021

Teaching math and physics to students aged 13 to 19.

## Projects

Anonymous Proof-of-personhood for e-voting  
📅 Spring 2021 📍 EPFL

Prototyping and implementation of a highly robust proof-of-presence group communication and voting app for mobile devices at the Decentralized Distributed Systems Laboratory.

Game Boy Simulator  
📅 Spring 2018 📍 EPFL

Development of a Nintendo Game Boy simulator in Java, during the EPFL course "Practice of object-oriented programming".

## Skills

### • Programming Languages

Java Scala C/C++ Python  
HTML/CSS JS React  
PHP Node.js SQL Latex  
Go

### • Core Competencies

Software engineering Security  
Machine learning Cryptography  
AI Databases TCP/IP

### • Others

Git GitHub GitLab Linux  
BASH Blender OpenGL

## Coursework

- Computer security
  - Cryptography
  - Security engineering
  - Software security
  - Information security
- Machine learning
- Concepts of Object-Oriented Programming
- Artificial intelligence
- Databases
- Algorithms
- Computer networks

## Languages

French English German

## Activities

### Musician

📅 2006 – 2017

Taking clarinet classes and playing in many orchestras.

### Sport

📅 2006 – present

Playing soccer and volleyball