

# FABIO MATTI

## COMPUTATIONAL SCIENTIST



### CONTACT



#### Address

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#### E-Mail

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### PERSONAL



#### Date of Birth

30/08/1998



#### Nationality

Swiss

### PLATFORMS



#### GitHub

github.com/FMatti



#### LinkedIn

linkedin.com/in/FMatti

### LANGUAGES



#### German

Native



#### English

Proficient (CEFR: C2)



#### French

Fluent (CEFR: C1)

### EDUCATION

Since 09/2021

#### EPFL, Master's studies

Computational Science (74 ECTS, GPA: 5.60)

09/2018 - 07/2021

#### University of Bern, Bachelor of Science

Physics (Major, 120 ECTS, GPA: 5.80)

Mathematics (Minor, 71 ECTS, GPA: 5.68)

### EXPERIENCE

07/2022 - 09/2022

#### Omnisens S.A. (Prysmian Group), Morges Machine learning internship

Designed of efficient data reduction methods

Implemented anomaly detection algorithms

### PROJECTS

Semester Project

#### Rational Interpolation of Maxwell's equations

Finite element method, model order reduction

github.com/FMatti/Maxwell-MRI

Bachelor's Thesis

#### Learned Spectral Decoloring in Photoacoustics

Gradient boosting, feature importance

github.com/FMatti/ALE-LSD

### ACTIVITIES

Since 09/2022

#### Machine Learning Student Assistant

Master course on fundamental ML methods

Since 09/2022

#### Programming Concepts Student Assistant

Master course in C++ and scientific computing

Since 06/2018

#### NBC Staff Officer in the Air Base Command 13

Leadership assistant of battalion commander

In charge of NBC instruction of 700 soldiers

Since 12/2014

#### Alpine Skiing Teacher for Skiclub Zweisimmen

### QUALIFICATIONS

02/2020

#### Cambridge C2 Proficiency English (Grade: A)

07/2019

#### GRE General Test (V: 157, Q: 167, AW: 5.5)

09/2018

#### SVF Leadership Certificate

### COMPUTATIONAL SKILLS

Programming

**Proficient:** Python, C++,  $\text{\LaTeX}$

**Advanced:** C, R, MATLAB

Software

**Proficient:** Git, Microsoft Office, GIMP

**Advanced:** Blender, Inkscape, Photoshop

### HOBBIES

Skiing, Running, Graphic Design, Reading