

FABIO MATTI

COMPUTATIONAL SCIENTIST



CONTACT



Address

Route Cantonale 99A
1025 Saint-Sulpice



Phone

+41 79 321 13 10



E-Mail

fabio.matti@bluewin.ch

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 of Science

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., Morges, Prysmian Group

Machine learning internship

Designed 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

COMPUTATIONAL SKILLS

Programming

Proficient: Python, C++, \LaTeX

Advanced: C, R, MATLAB, JavaScript

Software

Proficient: Git, Microsoft Office, GIMP

Advanced: Blender, Inkscape, Photoshop

ACTIVITIES

Since 09/2022

EPFL, Machine Learning Assistant

Master course CS-433 on foundations of ML

Since 09/2022

EPFL, Programming Concepts Assistant

Master course MATH-458 on C++ programming

Since 06/2018

Airbase Meiringen, NBC Staff Officer

Leadership assistant of battalion commander

In charge of NBC instruction of 700 soldiers

Since 12/2014

Skiclub Zweisimmen, Alpine Skiing Teacher

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

HOBBIES

Skiing, Running, Graphic Design, Reading