FABIO MATTI
COMPUTATIONAL SCIENTIST

CONTACT

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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)

EXPERICENCE

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++, $\LaTeX$ **Advanced**: C, R, MATLAB
Software	**Proficient**: Git, Microsoft Office, GIMP **Advanced**: Blender, Inkscape, Photoshop

HOBBIES

Skiing, Running, Graphic Design, Reading