FABIO MATTI
COMPUTATIONAL SCIENTIST

CONTACT

Address
EPFL, MA B2 514
Station 8
1015 Lausanne

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

Google Scholar
Fabio Matti

LANGUAGES

German
Native

English
Cambridge C2 (2020)

French
DALF C2 (2023)

Italian
Basic notions

EDUCATION

Since 03/2024	**EPFL, Doctor of Philosophy** Chair of Numerical Algorithms and HPC Topic: Randomized Numerical Linear Algebra
09/2021 - 02/2024	**EPFL, Master of Science** Computational Science (90 + 10 ECTS, GPA: 5.7)
09/2018 - 07/2021	**University of Bern, Bachelor of Science** Physics & Mathematics (180 + 11 ECTS, GPA: 5.8)

WORK EXPERICENCE

02/2023 - 08/2023	**Logitech S.A., Lausanne** **Engineering Intern** Modelled keyboard and mouse input Developed system to predict next action
07/2022 - 09/2022	**Omnisens S.A. (Prysmian Group), Morges** **Machine Learning Intern** Designed efficient data reduction methods Implemented anomaly detection algorithms

PUBLICATIONS

[2]	**Parameter-Dependent Trace Estimation** F. Matti, H. He, H. Y. Lam, D. Kressner Preprint: In preparation
[1]	**Forecasting of Keyboard and Mouse Actions** F. Matti, P. Dillenbourg, L. Novelli Preprint: arxiv.org/abs/2309.12170

PROJECTS

Master's Thesis	**Randomized Estimation of Spectral Densities** Code: github.com/FMatti/Rand-SD
Semester Project	**Rational Interpolation of Maxwell's Equations** Code: github.com/FMatti/Maxwell-MRI

COMPUTATIONAL SKILLS

Programming	**Advanced**: Python, C++, MATLAB, LaTeX **Intermediate**: C, R, JavaScript, Julia
Software	**Advanced**: Git, GMSH, FEniCS, Figma **Intermediate**: Blender, ParaView, Inkscape

OTHER ACTIVITIES

Since 06/2018	**Swiss Air Force, NBC Defence Staff Officer**
Since 12/2014	**Skiclub Zweisimmen, Skiing Clubtrainer**
09/2022 - 01/2024	**EPFL, Student Assistant in multiple courses**
09/2022 - 12/2023	**EPFL, Science Outreach Assistant**

HOBBIES

Skiing, Trail running, Graphic Design, Reading