FILIPPO BALZARETTI

Dr. rer. nat. in Physics

PROFILE

Sex: *Male*
Nationality: *Italian (Turin)*
Date of birth: *25/11/1992*

CONTACT INFORMATION

MOBILE NUMBER:
+49 15753338840

LINKEDIN:
Filippo Balzaretti

MAIL ADDRESS:
filippo@uni-bremen.de

COMPUTATIONAL SKILLS

ATOMISTIC SIMULATIONS:
VASP, CPMD, Crystal, ADF

DATA MANAGEMENT:
Python, Excel, Bash, Maple

SCIENTIFIC WRITING:
LaTeX, Overleaf, Word

IMAGING AND PRESENTATION:
Power Point, VMD, Gimp

LANGUAGES

🇮🇹 **Italian**
C2 – native speaker

🇬🇧 **English**
C1 – CAE certificate

🇩🇪 **German**
C1 – self assessed

EDUCATION

University of Bremen – PhD in Physics
[06/01/2017 – 05/31/2021]
Degree received on 11/11/2021
• Final note: *Magna cum Laude*
• Thesis: *Adsorption and degradation of water pollutants on TiO2*
• Acquired skills: *Classical to ab-initio theories (FF, DFTB, DFT, TD-DFT) especially in terms of molecular dynamics and related methods (steered-MD, NEB, …)*

University of Turin – Master in Mathematics
[12/03/2014 – 12/15/2016]
Degree received on 12/15/2016
• Final note: *109/110*
• Thesis: *Quantization to a class of classical Hamiltonian systems*
• Key experience: *Six-months Erasmus in Osnabrück, Germany [2015]*

University of Turin – Bachelor in Mathematics
[09/30/2011 – 10/14/2014]
Degree received on 10/14/2014
• Final note: *109/110*
• Thesis: *Problemi di Dirichlet in campo complesso* (Italian version only)

Scientific High School Gobetti – National IT curriculum
[09/2006 – 07/2011]
Degree received on 07/2011
• Final note: *84/100*

LIST OF PUBLICATIONS

• F. Balzaretti et al., *J. Phys. Chem. C* 2021, [link]
• F. Balzaretti et al., in prep. [preprint]
• V. Gupta, F. Balzaretti et al., in prep. [preprint]