

Shpresim Sadiku

Curriculum Vitae

Institut für Mathematik, TU Berlin
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*PhD Candidate at TU Berlin/BMS
& Scientific Assistant at ZIB*

Personal Data

Place and date of birth Preshevë (Serbia), March 9, 1996
Citizenship Serbian

Education

- 09/2020 - present **Ph.D., Mathematics**, Technische Universität Berlin (TU Berlin), Germany.
Advisor: Prof. Dr. Sebastian Pokutta
Topic: Robust and Interpretable Continuous-Depth Neural Networks
- 10/2017 - 05/2020 **M.Sc., Mathematics in Data Science**, Technische Universität München (TUM), Germany.
Advisor: Prof. Dr. Michael Wolf
Master's thesis (in English): *Adversarial Deformations for Neural Ordinary Differential Equations*
- 10/2014 - 07/2017 **B.Sc., Mathematics**, University of Tirana, Albania.
Advisor: Prof. Dr. Artur Baxhaku
- 09/2010 - 06/2014 **High School Diploma**, Gymnasium Skënderbeu, Serbia.

Employment History

Research Positions

- 09/2020 - present **Scientific Assistant**, Zuse Institute Berlin, Germany.
Research Group Interactive Optimization and Learning
- 09/2019 - 03/2020 **Student Assistant**, Infineon Technologies AG, Munich, Germany.
- 11/2018 - 06/2019 **Student Assistant**, TUM, Department of Electrical and Computer Engineering, Munich, Germany.

Internships

- 06/2020 - 08/2020 **Artificial Intelligence in Portfolio Management**, Assenagon Asset Management, Munich, Germany.

Teaching

04/2019 - 08/2019 **Teaching Assistant**, MA3402 - Computational Statistics, TUM, Department of Mathematics, Munich, Germany.

Talks

- 03/2021 **9th BMS Student Conference** (online), *Berlin Mathematical School* (TU Berlin, FU Berlin, HU Berlin), Berlin.
Neural Network Approximation Theory
- 01/2021 **IOL-COGA Research Seminar** (online), *TU Berlin/ZIB*, Berlin.
Neural Network Approximation Theory

Activities

10/2020 - present Co-organizer of the **IOL-COGA Research Seminar** (online), *TU Berlin*.

Attended Conferences and Workshops

- 03/2021 9th BMS Student Conference, *Berlin Mathematical School*, Berlin, Germany.
- 08/2019 ERGO Machine Learning Workshop, *ERGO Group*, Düsseldorf, Germany.

Distinctions

- 05/2020 Admission to Berlin Mathematical School (BMS).
- 10/2015 - 09/2016 Merit-based scholarship, *University of Tirana*, Albania.
- 03/2011 - 03/2014 Kosovo Mathematical Olympiad, Prishtina, Kosovo.
Three first prizes, one third prize
- 02/2011 Serbian National Mathematical Olympiad, Niš, Serbia.
Third prize
- 05/2009 - 05/2011 Albanian Nationwide Mathematical Olympiad, Tetovo, North Macedonia.
One second prize, two third prizes

Languages

Human

Albanian Native.
English Fluent.
Serbian Intermediate.
German Basic.

Machine

Python Intermediate.
R Intermediate.
MATLAB Basic.



Berlin, January 21, 2021