

Lukas Fußangel

Residence: Konstanz, Germany

E-mail: lukas.fussangel@uni-konstanz.de * *Phone number:* +49 7531 883642

Place of birth: Velbert, Germany * *Year of birth:* 2001

Education

PhD student

Topic: Existence and regularity of manifold-constrained BV minimizers
Advisor: Professor Franz Gmeineder

University Konstanz
since April 2024

M.Sc. in Mathematics

Final grade: 1,0 - with distinction
Thesis title: Einstein metrics on spheres
Advisor: Professor Andreas Gastel

University Duisburg-Essen
April 2022 - February 2024

B.Sc. in Mathematics

Final grade: 1,0 - with distinction
Thesis title: Regularity of weak solutions for linear elliptic differential equations
Advisor: Professor Ulrich Dierkes
Minor in Chemistry

University Duisburg-Essen
October 2018 - February 2022

B.A. in Teacher's education for high school (Gymnasiallehramt)

Subjects: mathematics and music
Final grade: 1,17 - with distinction

University Duisburg-Essen
October 2018 - June 2022

Abitur

German High school diploma (General university entrance qualification)
Final grade: 1,0 with 882/900 points

Mariengymnasium Essen-Werden
August 2010 - July 2018

Work/Teaching experience

Teaching and Research assistant

University Konstanz (Germany)

since April 2024

- Course assistant for Prof. Franz Gmeineder and Prof. Michael Kupper in the course "Analysis III" (winter term 2024/25)
- Joint organization of a "Hüttenseminar" on Fourier Analysis (with Paul Stephan, Prof. Franz Gmeineder - winter term 2024/25)
- Course assistant for Prof. Robert Denk in the course "Fourier Analysis" (summer term 2024)

Contract Lecturer

HTWG Konstanz - University of Applied Sciences (Germany)

October 2024 - January 2025

- Lecturer of the course "Linear Algebra T1" in the Studienkolleg (Center for international Students Konstanz) of the HTWG Konstanz (4 hrs/week, including exams)

Graduate student assistant

University Duisburg-Essen (Essen, Germany)

March 2023 - March 2024

May 2022 - September 2022

- Held recitation sessions and graded homework and final exams in the courses "Linear Algebra 1", "Analysis 1" and "Analysis 3"

Student assistant

University Duisburg-Essen (Essen, Germany)

October 2020 - April 2022

October 2019 - March 2020

- Held recitation sessions and graded homework and final exams in the courses "Linear Algebra 1+2", "Algebra" and "Analysis 1"
- Held recitation sessions in the course "Mathematics for Natural Scientists"
- Worked as an assistant on a study on discontinuities between high school and university education in mathematics in Germany

International experience

33rd Jyväskylä Summer School

August 2024

Courses attended:

Jyväskylä, Finland

- Convexity, Partial Differential Equations and Game Theory (Prof. Julio Rossi)
- Harmonic Analysis Methods for Nonlinear Parabolic PDEs (Prof. Juha Kinnunen)

32nd Jyväskylä Summer School

August 2023

Courses attended:

Jyväskylä, Finland

- Harmonic measure (Prof. Xavier Tolsa)
- Geometry of rectifiable and purely unrectifiable subsets of metric spaces (Prof. David Bate)
- Optimal stopping and Free-Boundary problems (Prof. Goran Peskir)

Exchange Semester

August 2022 - December 2022

as an ERASMUS+ student within the M.Sc. program in Mathematics

Jyväskylä, Finland

Language proficiencies

German	mother tongue
English	Fluent - TOEFL iBT score 116/120
French	Conversational

Awards/Scholarships

German Academic Scholarship Foundation

March 2019 - February 2024

Student Scholarship

ERASMUS+

Autumn 2022

Funding for the exchange semester in Jyväskylä, Finland

German Academic Scholarship Foundation

Autumn 2022

Extra funding for the exchange semester in Jyväskylä, Finland

PROMOS (University Duisburg-Essen)

August 2023

Funding to attend the 32nd Jyväskylä Summer School