

# Lukas Fußangel

*Residence:* Konstanz, Germany

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

## Education

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### 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

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### Teaching and Research assistant

*University Konstanz (Germany)*

*since April 2024*

- Course assistant for Prof. Robert Denk in the course "Fourier Analysis" (summer term 2024)

### 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

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### Jyväskylä Summer School

Courses attended:

*August 2023  
Jyväskylä, Finland*

- Harmonic measure
- Geometry of rectifiable and purely unrectifiable subsets of metric spaces
- Optimal stopping and Free-Boundary problems

**Exchange Semester**

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

*August 2022 - December 2022*

*Jyväskylä, Finland*

***Language proficiencies***

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

***Awards/Scholarships***

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<b>German Academic Scholarship Foundation</b>	Student Scholarship, awarded March 2019
<b>ERASMUS+ Funding</b>	for the exchange semester in Jyväskylä, Finland, Autumn 2022
<b>German Academic Scholarship Foundation</b>	Funding for the exchange semester in Jyväskylä, Finland, Autumn 2022
<b>PROMOS Funding (University Duisburg-Essen)</b>	for attending the Jyväskylä Summer School, August 2023