

# Raphael Wagner

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## Doctoral student and scientific assistant in mathematics at Ulm University

Discussing interesting problems with students and other researchers has helped me become an effective communicator and has made me value the joy and strength of working in a team of bright and intelligent people. Simultaneously, my experience in academia has also equipped me with a good amount of stubbornness and determination to overcome challenges, along with the ability to work independently. With a minor in Computer Science and a past internship as a software developer, I am confident in my programming skills.

## Education

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### Ulm University

*PhD student in Mathematics, expected to graduate in winter 2023/24*

- Research topic: Statistical concepts in mathematical fluid mechanics

Ulm, DE

09/2020 – present

### Ulm University

*M.Sc. in Mathematics, minor in Computer Science*

- Final grade: 1.0 with distinction (1.0 – 5.0 with 1.0 being best)

Ulm, DE

10/2017 – 08/2020

### Syracuse University

*M.Sc. in Mathematics*

- Final grade: A (A – F with A being best)
- Double degree program with Ulm University, supported by a Fulbright travel grant

Syracuse, US

08/2018 – 05/2019

### Ulm University

*B.Sc. in Mathematics and Management*

- Final grade: 1.2 (1.0 – 5.0 with 1.0 being best)

Ulm, DE

10/2014 – 10/2017

## Work Experience

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### Ulm University

*Scientific assistant*

- Creating weekly assignment sheets, administering the grading thereof and presenting the corresponding solutions in an auditorium
- Organizing recitations for one or two classes each semester

Ulm, DE

09/2020 – present

### Kistler Chemnitz GmbH (formerly AMS GmbH)

*Internship as Java software developer*

- The AMS GmbH was specialized in developing software for the analysis and management of measurement data — the company has been acquired in December 2018 by the Kistler Group, a global leader in dynamic measurement technology
- Created a specific component for a customer within the company's framework jBeam that determines optimal machine parameters based on entered test data

Chemnitz, DE

07/2017 – 01/2018

## Extracurricular activities

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### Association of Applied Mathematics and Mechanics (GAMM)

*Junior member of the GAMM Student-Chapter Ulm*

- Interdisciplinary network for students and researchers from applied mathematics and mechanics

Ulm, DE

06/2022 – present

### Promovierendenkonvent Ulm University

*Elected member*

- Official council at Ulm University representing the interests of the doctoral students

Ulm, DE

10/2022 – 10/2023

## Skills & Interests

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**Languages:** German (native), English (fluent)

**Programming:** Java, Python (machine learning applications), Matlab, R, SQL

**Interests:** Sports (Running, Hiking, ice skating), playing electric guitar and cooking