Raphael Wagner

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PhD student 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

Ulm University   **Ulm, DE**
PhD student in Mathematics, expected to graduate in winter 2023/24   *09/2020 – present*
- Research topic: Statistical concepts in mathematical fluid mechanics

Ulm University   **Ulm, DE**
M.Sc. in Mathematics, minor in Computer Science   *10/2017 – 08/2020*
- Final grade: 1.0 with distinction (1.0 – 5.0 with 1.0 being best)
- Relevant modules: Pattern Recognition, Database Systems — Concepts and Models

Syracuse University   **Syracuse, US**
M.Sc. in Mathematics   *08/2018 – 05/2019*
- Final grade: A (A – F with A being best)
- Double degree programme with Ulm University, supported by a Fulbright travel grant
- Relevant modules: Multivariate Statistical Analysis

Ulm University   **Ulm, DE**
B.Sc. in Mathematics and Management   *10/2014 – 10/2017*
- Final grade: 1.2 (1.0 – 5.0 with 1.0 being best)
- Relevant modules: Stochastic I — Statistics, Optimization and Operations Research I, Financial Reporting, Finance, Introduction to Computer Science and Programming I and II

Work Experience

Ulm University   **Ulm, DE**
Scientific assistant   *09/2020 – present*
- Creating weekly assignment sheets, administering the grading thereof and presenting the corresponding solutions in an auditorium
- Organising recitations for one or two classes each semester

Kistler Chemnitz GmbH (formerly AMS GmbH)   **Chemnitz, DE**
Internship as Java software developer   *07/2017 – 01/2018*
- The AMS GmbH was specialised 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

Extracurricular activities

Promovierendenkonvent Ulm University   **Ulm, DE**
Elected member   *10/2022 – present*
- Official council at Ulm University representing the interests of the doctoral students

Association of Applied Mathematics and Mechanics (GAMM)   **Ulm, DE**
Junior member of the GAMM Student-Chapter Ulm   *06/2022 – present*
- Interdisciplinary network for students and researchers from applied mathematics and mechanics

Skills & Interests

Languages: German (native), English (fluent)

Programming: Java, Python, Matlab, R, SQL, LaTeX

Interests: Sports (Running, Hiking, Volleyball and Badminton), cooking and going to concerts