

Paul Rudolf Göpfert

Curriculum Vitae

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Description

Hello Reader,

my name is Paul Rudolf and I am a 24-year old mathematics student at Julius-Maximilians-University in Würzburg, Germany. During my previous studies in Integrated Life Sciences (Biology, Biomathematics and Biophysics) at the Friedrich-Alexander-University in Erlangen-Nürnberg, I fell in love with the beauty and elegance of mathematics and decided to continue my studies in mathematics after finishing my bachelors degree in the field of biology.

My interests and focus in the field of mathematics are probability theory, discrete mathematics, in particular graph theory, and biomathematics. During my bachelor thesis at the Chair for Mathematical Stochastics (Prof. Christoph Richard) I studied and implemented the algorithm "Simulated Annealing" to reconstruct phylogenetic trees.

Alongside my studies, I work for Siemens Healthineers AG at the Research & Development Department in Forchheim and support them in the fields of data analysis and data visualization.

Personal Details

Birth October 27, 2001 in Erlangen, Germany
Hobbies Spending time with family and friends, Reading books, Listening to Music,
 Doing sports (Road cycling, Soccer, Spikeball)

Academic Education

2021-2025 **Integrated Life Sciences (Biology, Biomathematics und Biophysics)**
 B.Sc., *Friedrich-Alexander-University Erlangen-Nürnberg*,
 Thesis: Kombinatorik Phylogenetischer Bäume und das Prinzip der Minimalen Evolution,
 Supervisors: Christoph Richard & Torben Krüger (Chair for Mathematical Stochastics)
 Grades: 1.8/1.0 (overall/thesis)
since 2025 **Mathematics B.Sc. (Minor Subject: Biology)**, *Julius-Maximilians-University Würzburg*,
 Grades: 1.1/- (overall/thesis)

Working & Teaching Experience

- 2021-2023 **Working Student IT User-Experience Service Desk**, *Siemens Healthineers AG*, Erlangen
- 2024 **Tutor for Mathematics and Physics**, *Paukkammer Erlangen*
- 2023-2025 **Student Assistant at Chair for Mathematical Stochastics**, *Friedrich-Alexander-University Erlangen-Nürnberg*
Teaching Assistant for:
- Stochastische Modelle (WS 2023/24)
 - Mathematische Modellbildung und Statistik für Naturwissenschaftler (WS 2023/24 and WS 2024/25)
 - Introduction to Statistics and Statistical Programming (SS 2025)
- since 2026 **Working Student Advanced Technologies Research & Development**, *Siemens Healthineers AG*, Forchheim

Skills

- Languages: German (Native Language), English (fluently)
- Programming Languages: Python, R
- Power BI
- Open Office / Microsoft Office
- Latex

Memberships

- Deutsche Mathematiker-Vereinigung e.V. (DMV)