

Curriculum Vitae

David Geldbach

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EDUCATION

University of Oxford **Oxford, UK**
DPhil student in Probability Oct 2021 - Current

- Supervised by Julien Berestycki, research on random trees and branching random walks
- Funded by the EPSRC

Ludwig-Maximilians-Universität **Munich, Germany**
M.Sc. in Mathematics Oct 2019 – July 2021

- Final Grade: 1.1** (German grading scale from 1-5 with 1 being best)
- Master Thesis: *Ergodicity of the Dynamical XY-Model*, supervisor: Markus Heydenreich, Grade 1.0
- Focus on probability theory, stochastic processes and statistical mechanics

École normale supérieure de Lyon **Lyon, France**
Exchange student in Master Mathematics M2 Jan 2021 – April 2021

Ludwig-Maximilians-Universität **Munich, Germany**
B.Sc. in Mathematics (major) and Theoretical Physics (minor) Oct 2016 – Sep 2019

- Final Grade: 1.3** (German grading scale from 1-5 with 1 being best)
- Bachelor Thesis: *The Scaling Limit of the Erdős-Rényi Graph*, supervisor: Markus Heydenreich, Grade 1.0

National University of Singapore **Singapore**
Exchange Semester in Mathematics (major) and Theoretical Physics (minor) Aug 2018 – Dec 2018

- Undergraduate Research Project with Rongfeng Sun, Grade: A+

St. Raphaels Gymnasium Heidelberg **Heidelberg, Germany**
A-Levels / Abitur Sep 2008 – June 2016

- Final Grade: 1.2** with Honours (German grading scale from 1-6 with 1 being best)
- Exchange Semester at Ridley College, St. Catherines, Canada; Jan.-July 2015

TEACHING EXPERIENCE

University of Oxford **Oxford, UK**
Teaching Assistant Oct 2021 - Current

- Marking homework and co-supervising classes for Probability on Graphs and Lattices MT21 and Applied Probability HT22
- Tutor at St. Catherines College for A8 Probability

Ludwig-Maximilians-Universität **Munich, Germany**
Tutor and Corrector for a variety of lectures April 2018 – Jan 2021

- Supervising groups of 10-30 students with exercises and marking homework
- Courses supervised: (Stochastic Processes 2020/21, Probability Theory 2020, Stochastics 2019/20, Probability Theory 2019, Linear Algebra II 2018)

ACADEMIC ACTIVITIES

University of British Columbia **Vancouver, Canada**
Summer school: Probability Upcoming: June 2022

- Received funding for accommodation and travel

CIRM Marseille **Marseille, France**
Summer school: Random trees and random graphs July 2019

SKILLS, ACTIVITIES & INTERESTS

Languages: German (native), English (fluent), French (advanced), Spanish (basic), Latinum

Technical Skills: Python, C++ (basic), Mathematica (basic), Latex

Activities: Rowing, Running, Climbing, Cycling, Mountaineering