

# Robin Schäfer

*Dr. rer. nat.*

12 Davis Ct.  
Brookline, MA 02445  
USA  
☎ +1 (857) 396 3230  
✉ [rschaefer@bu.edu](mailto:rschaefer@bu.edu)

## Current position

March 2023 **Postdoctoral Associate**, *Boston University*

- present
  - Working in the Quantum Condensed Matter Physics division with Anushya Chandran, Christopher Laumann, Anatoli Polkovnikov, and Claudio Chamon
  - Areas of interests: Frustrated magnetism, topological order, chaos in interacting many-body systems, and open-system dynamics

## Doctoral studies

Nov. 2018 **Dr. rer. nat.**, *Max Planck Institute for the Physics of Complex Systems*

- Dec. 2022
  - Dissertation: **Magnetic frustration in three dimensions – summa cum laude**
  - Supervised by: David J. Luitz and Roderich Moessner
  - **Otto Hahn medal** awarded by the Max Planck Society for outstanding achievements
  - **Best Doctoral Thesis** within CRC-1143 (Correlated Magnetism: From Frustration to Topology) in 2023
  - Student of the International Max Planck Research Schools
  - Postdoctoral researcher from Jan. 2023 – Feb. 2023

## Education

Sep. 2016 **M.Sc. Physics**, *TU Dortmund*

- Aug. 2018
  - Grade: **1.0** (Range: 1.0 - 4.0) - **graduated as best student of the year**
  - Thesis: *Floquet time crystals and periodically driven quantum state transfer*
  - Supervised by: Joachim Stolze and Götz S. Uhrig

Sep. 2016 **M.Sc. Mathematics**, *TU Dortmund*

- April 2019
  - Grade: **1.4** (Range: 1.0 - 4.0)
  - Thesis: *Density functional theory on unbounded domains*
  - Supervised by: Christian Meyer

Sep. 2016 **Exchange student**, *Korea Advanced Institute of Science and Technology (KAIST)*

- June 2017
  - GPA: 3.83/4.3

Oct. 2013 **B.Sc. Physics**, *TU Dortmund*

- Aug. 2016
  - Grade: **1.3** (Range: 1.0 - 4.0)
  - Thesis: *Dynamics of wave packets in a magnetic field*
  - Supervised by: Joachim Stolze

Oct. 2013 **B.Sc. Mathematics**, *TU Dortmund*

- Aug. 2016
  - Grade: **1.6** (Range: 1.0 - 4.0)
  - Thesis: *Operator splitting of the heat equation in cylindrical coordinates*
  - Supervised by: Stefan Turek

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## Distinctions and scholarships

- August 2024 **Distinction**, Thesis award by the CRC-1143 "*Correlated Magnetism: From Frustration to Topology*"
- June 2024 **Distinction**, ***Otto Hahn medal*** awarded by the Max Planck Society for outstanding scientific achievements during the Ph.D.
- June 2022 **Distinction**, Poster award at the HFM2022 conference in Paris
- Aug. 2018 **Distinction**, Best student of the year in M.Sc. Physics
- Sep. 2016 **Scholarship**, Funded by the German Academic Exchange Service (DAAD) for the student exchange at KAIST
- Oct. 2015 **Scholarship**, Funded by the German government and the Alumni club of the Physics Department PeP et al. e.V. at TU Dortmund
- Oct. 2014 **Scholarship**, Funded by the German government and the Alumni club of the Physics Department PeP et al. e.V. at TU Dortmund

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## Software libraries

- [1] **DanceQ**: [Repository](#), [Documentation](#)