

Hélène Colinet

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✉ Berlin

DoB 1998

Curriculum Vitae

Career

2025 **Consultant** *d-fine*

Education

- 2022-2025 **Master's Degree in Physics** *Freie Universität Berlin*
Supervisor: Prof. Roland Netz
Thesis title: Non-Gaussian random forces (Final grade: 1.0)
Final grade: 1.3
- 2018-2022 **Bachelor's Degree in Physics** *Freie Universität Berlin*
Supervisor: Prof. Roland Netz
Thesis title: Non-linear non-Markovian spectroscopy (Final grade: 1.0)
Final grade: 1.7
- 2016-2018 **Bachelor's Degree in Orchestral Music** (incomplete) *Haute École des Arts du Rhin*
Instrument: Clarinet
- 2016 **Abibac** *Einstein-Gymnasium Kehl*
German Abitur: 1.0, Preis für herausragende Leistungen
French Baccalauréat: Série S, Mention Très Bien

Publications

- 2025 H. Colinet, F. N. Brünig, R. R. Netz, *Non-Markovian vibrational absorption spectroscopy for non-harmonic bond potentials: a perturbative approach*, Phys. Rev. Lett.
<https://journals.aps.org/prl/abstract/10.1103/btts-7ym9>
- 2025 B. A. Dalton, A. Klimek, H. Kiefer, F. N. Brünig, H. Colinet, L. Tepper, A. Abbasi, and R. R. Netz, *Memory and Friction: From the Nanoscale to the Macroscale*, Annu. Rev. of Phys. Chem.,
<https://doi.org/10.1146/annurev-physchem-082423-031037>

Experience

- 2022-ongoing Student Research Assistant *AG Netz, Freie Universität Berlin*
- 2020-2022 Tutor in the Physics Laboratory *Freie Universität Berlin*
- 2019-2022 Student representative *Physics department, Freie Universität Berlin*
- 2019-2021 Organization of the orientation week for students *Freie Universität Berlin*
- Summer 2018 Internship in the palliative care department *Ortenau Klinikum Kehl*
- Summer 2017 Assistant to the Academy management *Deutsche Schülerakademie (DSA)*

Additional Information

Citizenship: French

Languages: French (native), German (native), English (full professional proficiency)

Software and Programming: Python, PyTorch (basic), C++ (basic), Git, LaTeX, MS Office

Other interests: Yoga, Drawing, Music, conversing with & prompting LLMs.