

Education

- 2026- PhD in Interdisciplinary Computing, CSH Vienna/IT:U Linz
Funded by the Graduate Program of the Complexity Science Hub Vienna, supervised by Prof. Frank Neffke
- 2024- MA in Epistemologies of Science and Technology, University of Vienna (part-time)
Interdisciplinary Masters Program on Philosophy, History and Sociology of Science and Technology
- 2023-2026 MSc (Dipl.-Ing.) in Logic and Computation, TU Wien
Specialization in Algorithmics and Logic, graduated with distinction (GPA 1.0)
- 2021-2022 BACHELOR WITH HONORS in Graph Theory, TU Wien
Excellence program, equivalent to a four-year bachelor's degree
- 2018-2022 BSc in Software and Information Engineering, TU Wien
Graduated with distinction (GPA 1.0)

Publications and Theses

- 2026 Connection or Coincidence? Analytical Null Models for Co-occurrence in Bipartite Multigraphs
Master's thesis, TU Wien. Supervised by M. Nöllenburg and M. Sorge.
- 2023 MySemCloud: Semantic-aware Word Cloud Editing
M. K. Huber, M. Nöllenburg, A. Villedieu. IEEE 16th Pacific Visualization Symposium (PacificVis), 147-156.
- 2022 How quickly can you pack short paths? Engineering a search-tree algorithm for disjoint s-t paths of bounded length
Bachelor's thesis, TU Wien. Supervised by M. Sorge and A. Dobler. arXiv preprint arXiv:2404.10469.

Work and Research Experience

- 2026- Doctoral Researcher, Complexity Science Hub Vienna
Group *Transforming Economies*, Prof. Frank Neffke
- 2025-2026 Visiting Student, Complexity Science Hub Vienna
Master's thesis research in the group *Foundations of Complex Systems*, supervised by Eddie Lee
- 2022-2023 Mandatory Civilian Service, lobby.16, Vienna
Support for young refugees in apprenticeship search and application process
- 2022 Research Internship, Università Roma Tre, Rome
1-month research visit in Graph Algorithms group under Prof. Giuseppe Di Battista
- 2021-2022 Research Assistant, TU Wien
Prof. Nöllenburg, FWF project *Human-centered Algorithm Engineering*
- 2020-2024 Student Assistant, TU Wien
University tutor (Algorithms & Datastructures, Theoretical Computer Science & Logic, Formal Modelling, 10/20-09/22) · Support for students with disabilities (02/24-09/24)
- 2020/2021 Software Development Internships, Vienna
Anyline (1 month) · goUrban (2 months)

Awards and Scholarships

- 2024 Scholarship for the European Forum Alpbach
Awarded by the Club Alpbach Tirol to outstanding young scholars
- 2022 Bachelor with Honors, TU Wien
Accepted into the top 5% of students, with a personal recommendation by the university rector
- 2022 First Prize, International Graph Drawing Contest
For visualization of historic opera network dataset, with two co-authors

Volunteer Work

- 2024- Board Member, Club Alpbach Tirol
Treasurer for the Tyrolean chapter of the Forum Alpbach Network, responsible for finances and partnerships
- 2018-2026 Student Committee Member, National Philosophy Olympiad Austria
Responsible for supervising the group of participating students