David Barth

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10/2025 - 06/2026 University of Cambridge
Part III Mathematical Tripos

10/2021 - 04/2025 University of Heidelberg
Physics/Mathematics B. Sc.

Norwegian University of Science and Technology Trondheim
Physics
Exchange year with the Erasmus program

Research Experience

06/2025 - 09/2025 RISE Worldwide (DAAD)

Harvard University Advisor: Miaki Ishii

Detection of thunderstorms from meteorological data

10/2024 – 04/2025 Undergraduate Research

University of Heidelberg Advisor: Matthias Bartelmann

Thesis: "The Matter Power Spectrum on Small Scales: An Approach to the Asymptotics of Dark Matter within Kinetic Field Theory"

06/2024 - 09/2024 MITACS Globalink

University of Lethbridge, Canada Advisor: Arundhati Dasgupta

Loop Quantum Gravity and calculation of Maxwell's Equations under

the influence of a gravitational wave in its coherent state

Teaching Experience

10/2024 - 04/2025	Teaching Assistant
	University of Heidelberg
	PMP3 - Higher Mathematics III (Prof. Razvan Gurau)
10/2022 - 03/2023	Teaching Assistant
	University of Heidelberg
	MA4 - Linear Algebra I (Prof. Gebhard Böckle)
11/2016 - 07/2019	Tutoring
	Mathematics, Physics and Latin for high school students

Honors and Awards

12/2023 - current	German Academic Scholarship Foundation
	Prestigious academic scholarship
06/2025 - 08/2025	RISE Worldwide Fellowship (DAAD)
	Funding my research internship at Harvard University
06/2024 - 09/2024	MITACS Globalink Research Award
	Funding my research internship in Lethbridge, Canada
10/2022 - 12/2023	Deutschlandstipendium
	Governmental academic scholarship