# Curriculum Vitae

## Siddharth Setlur

### 25th October 2023

## Personal Information

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| Name | Siddharth Setlur | E-Mail | ssetlur@student.ethz.ch |
| Address | Peter-Debye-Weg 17.514, Zürich 8049, Switzerland | Personal Website | siddharthsetlur.github.io |
| | | Phone | +41 77 51 00 999 |
| Date of Birth | 18. Dec 2000 | Languages | English (first language) and German (fluent) |

## Education

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| Sept 2022 - | Master of Science at ETH Zürich in Mathematics. |
| MSc Thesis | Optimizing Functions Based on Signed Barcodes supervised by Dr. Sara Kališnik & Dr. Steve Oudot. |
| Sept 2019 - Aug 2022 | Bachelor of Science at ETH Zürich in Mathematics. |
| BSc Thesis | Different Theoretical Perspectives on Persistent Homology supervised by Dr. Sara Kališnik. |
| Reading Course | Persistent Homology and Quiver Theory supervised by Dr. Sara Kališnik. |
| Reading Course | Expander Graphs and Interlacing Polynomials supervised by Dr. Afonso Bandeira. |

## Work Experience

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| Sept 2023 - Dec 2023 | Teaching Assistant, Department of Mathematics ETH Zürich |
| | Teaching a twice-weekly exercise class for first year Math and Physics students taking Dr. Alessio Figalli's Single Variable Analysis course. |
| Oct 2022 - Feb 2023 | Research Intern, Inria Saclay (France) supervised by Steve Oudot. |
| | Research in theoretical foundations of topological data analysis, namely the differentiability of new invariants for multiparameter persistence. |
| June 2021 - Sept 2022 | Library Assistant, Mathematics Library ETH Zürich |
| | Responsibilities included opening and closing the library once a week, processing book returns, answering customer queries and conducting inventory. |

## Workshops and Conferences Attended

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| August 2023 | BIREP Summer School on persistence modules—The Interplay of Representation Theory and Topological Data Analysis |
| | Contributed Talk - Signed Barcodes for Multiparameter Persistence |

## Service & Volunteering

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| Feb. 2022 - July 2022 | Organizer - Zurich Undergraduate Colloquium in Math and Physics |
| | Organized a weekly colloquium, where undergraduates were given the opportunity to hold talks about their semester/bachelor/master theses. |