

Shrey Aryan

Master's Student in Mathematics

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 [shrey183.github.io](https://github.com/shrey183)

Research Interests

I am broadly interested in Analysis and PDEs. Currently, I am working on a project in the stability of functional inequalities and mathematical general relativity.

Education

ETH , Zürich, Switzerland	2020 - Present
M.S., Mathematics, ESOP SCHOLAR	
Thesis: Stability of Hardy Littlewood Sobolev Inequality	
Advisor: Prof. Alessio Figalli	
École Polytechnique , Palaiseau, France	2017 - 2020
B.S., Mathematics and Computer Science, CLASS VALEDICTORIAN	
Thesis: Existence of two-solitary waves with logarithmic distance for the nonlinear Klein–Gordon equation	
Advisor: Prof. Yvan Martel	

Publication

1. Existence of two-solitary waves with logarithmic distance for the nonlinear Klein-Gordon Equation. Communications in Contemporary Mathematics. doi:[10.1142/S0219199720500911](https://doi.org/10.1142/S0219199720500911).
2. Stability of Hardy Littlewood Sobolev Inequality under Bubbling. Preprint. arXiv:[2109.12610](https://arxiv.org/abs/2109.12610).

Relevant Experience

SRE Intern at Sygnum Bank	08/2021 - Present
Google Summer of Code at RDKit [Code]	06/2020 - 08/2020
Google Summer of Code at CERN [Code]	06/2019 - 08/2019
Research Intern at INRIA	06/2019 - 08/2019

Technical Skills

Languages: Python, C++, C, OCaml, Java, Coq and Mathematica
Software & Tools: Git, CI/CD, Spring, Terraform and AWS