

Shrey Aryan

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

Research Interests

I am broadly interested in Analysis and PDEs.

Education

MIT , Cambridge, USA	2022 - Present
PhD, Mathematics, LANDIS FELLOW	
ETH , Zürich, Switzerland	2020 - 2022
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. Yan 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, Zurich	08/2021 - 02/2022
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, Palaiseau	06/2019 - 08/2019

Technical Skills

Languages: C++, C, Python, OCaml, Java and Coq