Srivatsa Srinivas

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Education

University of California, San Diego — San Diego, CA
PhD. in Mathematics — *Sep. 2019 – Present*

The Ohio State University — Columbus, OH
B.Sc in Electrical Engineering and Mathematics — *Aug. 2014 – May 2019*

Honors and Awards

James Ax Fellowship, University of California, San Diego — *2019 – Present*
NSF RTG Fellowship, University of California, San Diego — *Multiple Quarters*
AEP Undergraduate Engineering Scholarship, The Ohio State University — *2019*
Wening Scholarship, The Ohio State University — *2019*
National Buckeye Scholarship, The Ohio State University — *2014-2018*
Provost Scholarship, The Ohio State University — *2014-2018*

Conferences

Machine Assisted Proofs, Institute for Pure and Applied Mathematics *2023*

- Interacted with leading pure mathematicians, computer scientists and industry experts regarding the application of computing towards verifying and generating proofs
- Presented a brief summary of my research to the attendees of the conference

UT Austin Graduate Mini-school in Groups and Dynamics, University of Texas at Austin *2022*

- Interacted with leading mathematicians in the fields of Group Actions and Dynamics
- A joint work with Prof. Alireza Salehi-Golsefidy was presented as one of the invited talks

Technical Skills

Computer Programming

- Haskell: Ability to use the SMT solver package sbv to solve problems in theoretical mathematics
- Rust: Ability to use the package wgpu-rs to program the GPU for visualization, ability to write effective programs to conduct mathematical experiments
- Python: Ability to use the package SymPy to teach students and conduct algebraic experiments

Publications

[1] Alireza Salehi-Golsefidy and Srivatsa Srinivas. "Random walks on Group Extensions". In: *Accepted to be published in Transactions of the AMS* (2022).

[2] Alireza Salehi-Golsefidy and Srivatsa Srinivas. "Random walks on direct product of groups". In: *Accepted to be published in JEMS* (2021).

[3] Desmond Coles, Peter Huston, David Penneys, and Srivatsa Srinivas. "The module embedding theorem via towers of algebras". In: *Journal of Functional Analysis* 280.11 (2021), p. 108965. ISSN: 0022-1236. DOI: https://doi.org/10.1016/j.jfa.2021.108965. URL: https://www.sciencedirect.com/science/article/pii/S0022123621000471.