

# Kunal Chawla

## Curriculum Vitae

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### Education

- 2023 – **PhD, Mathematics**, *Princeton University*.
- 2022 – 2023 **M.Sc., Mathematics**, *University of Toronto*, Supervisor: Giulio Tiozzo.
- 2019 – 2022 **B.Sc., Mathematics**, *University of Toronto*, GPA – 3.99.

### Papers and Preprints

- 2023 **Two results on first-passage percolation in negative curvature**, with *Christian Gorski*, In Preparation, draft available upon request..
- 2023 **Random walks on groups and superlinear divergent geodesics**, with *Inhyeok Choi, Vivian He, and Kasra Rafi*, *Ergodic Theory and Dynamical Systems*.
- 2023 **Genericity of contracting geodesics in groups**, with *Inhyeok Choi and Giulio Tiozzo*, Submitted.
- 2022 **The Poisson boundary of hyperbolic groups without moment conditions**, with *Behrang Forghani, Joshua Frisch, and Giulio Tiozzo*, Under minor revision at *Annals of Probability*.
- 2022 **Effective drift estimates for random walks on graph products**, *Electronic Communications in Probability*.

### Invited Talks

- Nov 2024 IAS Group Theory Seminar
- May 2024 UC Riverside workshop in Geometric Group Theory
- Mar 2023 ENS Group Theory Seminar
- Feb 2023 CUNY Geometry and Topology Seminar
- Mar 2021 University of Toronto Dynamics Seminar

### Selected Awards

- 2023 NSERC CGS-D (declined in favour of a PGS-D award, as I moved to the US)
- 2023 Centennial Fellowship, Princeton University
- 2022 NSERC Canada Graduate Scholarship – Master’s (National)

- 2022 CGS - Micheal Smith Foreign Study Supplement (National)
- 2022 University College Award for Best Degree
- 2021 NSERC Undergraduate Summer Research Award (National)
- 2019 President's Scholar of Excellence