Tomasz Tkocz

PERSONAL INFORMATION

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EMPLOYMENT

2022 - Associate Professor, Carnegie Mellon University

2018 - 2022 Assistant Professor, Carnegie Mellon University

Fall 2017 Berlekamp Postdoctoral Fellow, Mathematical Sciences Research Institute

2015 - 2017 Postdoctoral Research Associate, Princeton University

EDUCATION

2012 - 2015 Mathematics Institute, University of Warwick; PhD degree in Mathematics (18 June 2015), thesis *High-dimensional phenomena: dilations, tensor products and geometry of* L_1, supervised by Prof. Keith Ball

2011 - 2012 PhD student at the Mathematics Institute, University of Warsaw, supervised by Prof. Rafał Latała

2006–2011 University of Warsaw, Faculty of Mathematics, Informatics and Mechanics; MSc degree in Mathematics (with Honours), thesis *Gaussian measure of dilations of convex rotationally invariant sets in* $\mathbb{C}^n$

PUBLICATIONS

- C. Tang, T. Tkocz Szarek and Ball made simple submitted.
- S. Brazitikos, M. Rapaport, T. Tkocz Hermite-Fisher bounds and stability for min-entropy power inequalities submitted.
- S. Brazitikos, C. Tang, T. Tkocz, Moments of sums of exponentials, beyond CHS, submitted.
- M. Rapaport, T. Tkocz, I. Wu, Negative Moments of Steinhaus Sums, submitted.
- J. Jakimiuk, C. Tang, T. Tkocz, Khinchin inequalities for uniforms on spheres with a deficit, to appear in *Math. Z.*
- J. Melbourne, M. Roysdon, C. Tang, T. Tkocz, From simplex slicing to sharp reverse Hölder inequalities, to appear in *J. Lond. Math. Soc.*
- J. Melbourne, T. Tkocz, K. Wyczesany, A Rényi entropy interpretation of anti-concentration and noncentral sections of convex bodies, *Commun. Contemp. Math.* 28 (2026), no. 1, Paper No. 2550033, 18 pp.
- S. Myroshnychenko, C. Tang, K. Tatarko, T. Tkocz, Stability of simplex slicing and Lipschitzness of sections, to appear in *Discrete Comput. Geom.*
- J. Kalarickal, D. Rotunno, S. Singh, T. Tkocz, Convexity properties of sections of 1-symmetric bodies and Rademacher sums, *Proc. Amer. Math. Soc.* 12 (2025), 187–196.

- X. He, T. Tkocz, K. Wyczesany, A sharp Gaussian tail bound for sums of uniforms, *Israel J. Math.* 269 (2025), no. 2, 985–1000.
- A. Eskenazis, P. Nayar, T. Tkocz, Distributional stability of the Szarek and Ball inequalities, *Math. Ann.* 389 (2024), no. 2, 1161–1185.
- A. Eskenazis, P. Nayar, T. Tkocz, Resilience of cube slicing in ℓ_p, *Duke Math. J.* 173 (2024), no. 17, 3377–3412.
- J. Jenkins, T. Tkocz, Complex Hanner's inequality for many functions, *Israel J. Math.* 262 (2024), no. 1, 475–86.
- G. Chasapis, S. Singh, T. Tkocz, Haagerup's phase transition at polydisc slicing, *Anal. PDE* 17 (2024), no. 7, 2509–2539.
- G. Chasapis, A. Eskenazis, T. Tkocz, Sharp Rosenthal-type inequalities for mixtures and log-concave variables, *Bull. Lond. Math. Soc.* 55 (2023), no. 3, 1222–1239.
- G. Chasapis, K. Gurushankar, T. Tkocz, Sharp bounds on p-norms for sums of independent uniform random variables, *J. Anal. Math.* 149 (2023), no. 2, 529–553.
- Y. Cheng, Y. Liu, T. Tkocz, A. Xu, Typical values of extremal-weight combinatorial structures with independent symmetric weights, *Electron. J. Combin.* 30 (2023), no. 1, Paper No. 1.12
- G. Chasapis, S. Singh, T. Tkocz, Entropies of sums of independent gamma random variables, *J. Theoret. Probab.* 36 (2023), no. 2, 1227–1242.
- N. Glover, T. Tkocz, K. Wyczesany, Stability of polydisc slicing, *Mathematika* 69 (2023), no. 4, 1165–1182.
- P. Nayar, T. Tkocz, Extremal sections and projections of certain convex bodies: a survey, Harmonic analysis and convexity, 343–390, Adv. Anal. Geom., 9, De Gruyter, Berlin, 2023.
- G. Chasapis, P. Nayar, T. Tkocz, Slicing ℓ_p-balls reloaded: stability, planar sections in ℓ_1, *Ann. Probab.* 50 (2022), no. 6, 2344–2372
- A. Havrilla, P. Nayar, T. Tkocz, Khinchin-type inequalities via Hadamard's factorisation, *Int. Math. Res. Not. IMRN* 2023, no. 3, 2429–2445.
- J. Li, T. Tkocz, Tail bounds for sums of independent two-sided exponential random variables, High Dimensional Probability IX – the ethereal volume, 143–154, Progr. Probab., 80, Birkhüser/Springer, Cham, 2023.
- A. Frieze, W. Pegden, T. Tkocz, On the cover time of the emerging giant, *SIAM J. Discrete Math* 36 (2022), no. 3, 1687–1710.
- A. Frieze, T. Tkocz, A randomly weighted minimum arborescence with a random cost constraint, *Math. Oper. Res.* 47 (2022), no. 2, 1664–1680.
- H. Huang, B. A. Slomka, T. Tkocz, B-H. Vritsiou, Improved bounds for Hadwiger's covering problem via thin-shell estimates, *J. Eur. Math. Soc. (JEMS)* 24 (2022), no. 4, 1431–1448.
- P. Lamkin, T. Tkocz, Log-concavity and log-convexity of moments of averages of i.i.d. random variables, *Canad. Math. Bull.* 65 (2022), no. 2, 271–278.
- G. Chasapis, R. Liu, T. Tkocz, Rademacher–Gaussian tail comparison for complex coefficients and related problems, *Proc. Amer. Math. Soc.* 150 (2022), 1339–1349.
- D. Chakraborti, T. Tkocz, B.-H. Vritsiou, A note on volume thresholds for random polytopes, *Geom. Dedicata* 213 (2021), 423–431.

- G. Chasapis, H. König, T. Tkocz, From Ball's cube slicing inequality to Khinchin-type inequalities for negative moments, *J. Funct. Anal.* 281 (2021), no. 9, Paper No. 109185, 23 pp.
- A. Frieze, W. Pegden, G. Sorkin, T. Tkocz, Minimum-weight combinatorial structures under random cost-constraints, *Electron. J. Combin.* 28 (2021), no. 1, Paper No. 1.20, 18 pp.
- A. Frieze, T. Tkocz, Shortest paths with a cost constraint: a probabilistic analysis, *Discrete Appl. Math.* 302 (2021), 46–53.
- A. Frieze, T. Tkocz, Probabilistic analysis of algorithms for cost constrained minimum weighted combinatorial objects, *Oper. Res. Lett.* 49 (2021), no. 3, 400–404.
- A. Frieze, T. Tkocz, A randomly weighted minimum spanning tree with a random cost constraint, *Electron. J. Combin.* 28 (2021), no. 1, Paper No. 1.22, 25 pp.
- A. Havrilla, T. Tkocz, Sharp Khinchin-type inequalities for symmetric discrete uniform random variables, *Israel J. Math.* 246 (2021), no. 1, 281–297.
- M. Madiman, P. Nayar, T. Tkocz, Sharp moment-entropy inequalities for symmetric log-concave distributions, *IEEE Trans. Inform. Theory* 67 (2021), no. 1, 81–94.
- J. Melbourne, T, Tkocz Reversals of Rényi entropy inequalities under log-concavity, *IEEE Trans. Inform. Theory* 67 (2021), no. 1, 45–51.
- W. Bednorz, T. Tkocz, Stochastic dominance and weak concentration for sums of independent symmetric random vectors, *Int. Math. Res. Not. IMRN* (2020), no. 23, 8997–9010.
- A. Bonami, R. Latała, P. Nayar, T. Tkocz, Bounds on moments of weighted sums of finite Riesz products, *J. Fourier Anal. Appl.* 26 (2020), no. 6, Paper No. 84, 31 pp.
- A. Frieze, W. Pegden, T. Tkocz, Random volumes in d-dimensional polytopes, *Discrete Anal.* (2020), Paper No. 15, 17 pp.
- A. Frieze, W. Pegden, T. Tkocz, On random multi-dimensional assignment problems, *Discrete Appl. Math.* 287 (2020), 1–9.
- A. Frieze, T. Tkocz, Random graphs with a fixed maximum degree, *SIAM J. Discrete Math.* 34 (2020), no. 1, 53–61.
- R. Liu, T. Tkocz, A note on the extremal noncentral sections of the cross-polytope, *Adv. in Appl. Math.* 118 (2020), 102031.
- M. Madiman, P. Nayar, T. Tkocz, Two remarks on generalized entropy power inequalities, *Geometric aspects of functional analysis*, 169–185, Lecture Notes in Math., 2266, Springer, 2020.
- P. Nayar, T. Tkocz, On a convexity property of sections of the cross-polytope, *Proc. Amer. Math. Soc.* 148 (2020), no. 3, 1271–1278.
- A. Frieze, T. Tkocz, A note on log-concave random graphs, *Electron. J. Combin.* 26 (2019), no. 3, Paper 3.36, 9 pp.
- P. Ivanisvili, T. Tkocz, Comparison of moments of Rademacher chaoses, *Ark. Mat.*, 57 (2019), 121–128.
- A. Eskenazis, P. Nayar, T. Tkocz, Sharp comparison of moments and the log-concave moment problem, *Adv. Math.* 334 (2018) 389–416.
- A. Eskenazis, P. Nayar, T. Tkocz, Gaussian mixtures: entropy and geometric inequalities, *Ann. Probab.* 46(5) 2018, 2908–2945.
- P. Nayar, T. Tkocz, A multidimensional analogue of the Rademacher-Gaussian tail comparison, *Proc. Amer. Math. Soc.* 146 (2018), no. 1, 413–419.

- M. Strzelecka, M. Strzelecki, T. Tkocz, On the convex infimum convolution inequality with optimal cost function, *ALEA Lat. Am. J. Probab. Math. Stat.* 14 (2017), no. 2, 903–915.
- K. Ball, P. Nayar, T. Tkocz, A reverse entropy power inequality for log-concave random vectors, *Studia Math.* 235 (2016), no. 1, 17–30.
- E. Damek, R. Latała, P. Nayar, T. Tkocz, Two-sided bounds for L_p-norms of combinations of products of independent random variables, *Stochastic Process. Appl.* 125 (2015), no. 4, 1688–1713.
- W. Johnson, A. Nasseri, G. Schechtman, T. Tkocz, Injective Tauberian operators on L_1 and operators with dense range on ℓ_∞, *Canad. Math. Bull.* 58 (2015), no. 2, 276–280.
- R. Latała, T. Tkocz, A note on suprema of canonical processes based on random variables with regular moments, *Electron. J. Probab.* 20 (2015), no. 36, 1-17.
- O. Guédon, P. Nayar, T. Tkocz, Analytical and Probabilistic Methods in the Geometry of Convex Bodies, *IM PAN Lecture Notes*, Vol. 2, Warsaw 2014.
- P. Nayar, T. Tkocz, A note on certain convolution operators, *Geometric aspects of functional analysis*, 405–412, Lecture Notes in Math., 2116, Springer, Cham, 2014.
- P. Nayar, T. Tkocz, S-inequality for certain product measures, *Math. Nachr.* 287 (2014), No. 4, 398–404.
- P. Nayar, T. Tkocz, The unconditional case of the complex S-inequality, *Israel J. Math.* 197 (2013), no. 1, 99–106.
- P. Nayar, T. Tkocz, A Note on a Brunn-Minkowski Inequality for the Gaussian Measure, *Proc. Amer. Math. Soc.* 141 (2013), no. 11, 4027–4030.
- M. Smaczyński, T. Tkocz, M. Kuś, K. Życzkowski, Extremal spacings between eigenphases of random unitary matrices and their tensor products, *Phys. Rev. E* 88, 052902 (2013).
- T. Tkocz, A note on the tensor product of two random unitary matrices, *Electron. Commun. Probab.* 18 (2013), no. 16, 1–7.
- P. Nayar, T. Tkocz, On a Loomis-Whitney type inequality for permutationally invariant unconditional convex bodies, *Geometric Aspects of Functional Analysis*, 327–333, Lecture Notes in Math., Vol. 2050, *Springer, Heidelberg*, 2012.
- T. Tkocz, M. Smaczyński, M. Kuś, O. Zeitouni, K. Życzkowski, Tensor Products of Random Unitary Matrices, *Random Matrices: Theory and Applications*, Vol. 1, No. 4 (2012) 1250009, 26 pp.
- T. Tkocz, An Upper Bound for Spherical Caps, *Amer. Math. Monthly* 119 (2012), no. 7, 606–607.
- T. Tkocz, Gaussian measures of dilations of convex rotationally symmetric sets in $\mathbb{C}^n$, *Elect. Comm. in Probab.* 16 (2011), 38–49.

TALKS

- *Szarek and Ball made simple*, Analysis and Operator Theory Seminar, The Ohio State University, Oct 1, 2026.
- *Hermite-Fisher bounds, entropy-power inequalities, and sections of convex bodies*, Information Theory Seminar, University of Cambridge, July 13, 2026.
- *Moments of sums of exponentials*, Applications of Harmonic Analysis to Convex Geometry, BIRS, Banff, April 27, 2026.

- *Negative Moments of Steinhaus Sums*, AMS Sectional Meeting, North Dakota State University, April 18, 2026.
- *Probabilistic insights into extremal volume sections of certain convex bodies*, Colloquium, University of Cincinnati, Nov 4, 2025.
- *Khinchin inequalities for uniforms on spheres with a deficit*, Probability Seminar, University of Cincinnati, Nov 3, 2025.
- *Khinchin inequalities for uniforms on spheres with a deficit*, AMS Sectional Meeting, St Louis University, Oct 19, 2025.
- *From simplex slicing to sharp reverse Hölder inequalities*, Analysis Seminar, University of Missouri, Columbia, Oct 16, 2025.
- *Entropy power inequalities and sections of convex bodies*, Department of Information Engineering Seminar, The Chinese University of Hong Kong, Jul 9, 2025.
- *From simplex slicing to reverse Hölder inequalities*, Workshop on Inequalities and log-concavity, University of Warsaw, Jun 24, 2025.
- *Probabilistic methods in convex geometry*, PhD Open Lecture Series, University of Warsaw, Dec 10-12, 2024.
- *Two extensions of Webb's simplex slicing*, Real Analysis Seminar, University of Silesia, Dec 2, 2024.
- *A Rényi interpretation of anti-concentration*, Information theory, Boolean functions, and lattice problems, Bonn (HIM), Nov 20, 2024
- *Convexity properties of sections and Rademacher sums*, Functional Analysis Seminar, IMPAN (Warsaw), Nov 12, 2024.
- *Convexity properties of sections and Rademacher sums*, Probability Seminar, University of Warsaw, Nov 7, 2024.
- *Two extensions of Webb's simplex slicing*, Analysis Seminar, University of Crete, Oct 18, 2024.
- *Resilience of cube slicing in ℓ_p*, Asymptotics of (random) convex sets: fluctuations and large deviations, Bonn (HIM), Feb 19, 2024.
- *Hardwired to ..Szarek and Ball*, Probability Seminar, University of Warsaw, Dec 7, 2023
- *Resilience of cube slicing in ℓ_p*, Paris IHP, Nov 30, 2023.
- *Hardwired to ..Szarek and Ball*, Harmonic Analysis and Convexity, BIRS, Banff, Nov 20, 2023.
- *Slicing ℓ_p balls*, Analysis Seminar, University of Waterloo, Apr 27, 2023.
- *Resilience of cube slicing in ℓ_p*, AMS Sectional Meeting, Georgia Tech, Mar 18, 2023.
- *Haagerup's phase transition at polydisc slicing*, Brown/ICERM, Sep 26, 2022.
- *Sharp Rosenthal-type inequalities*, Séminaire d'Analyse Fonctionnelle, Sorbonne Université, Paris, Jun 16, 2022.
- *Slicing ℓ_p balls: load*, Phenomena in High Dimension, Paris IHP, Jun 9, 2022.
- *Khinchin inequalities and sections of convex bodies*, Convex Geometry and its Applications, Oberwolfach, Dec 17, 2021.
- *Khinchin inequalities and sections of convex bodies*, Corona Seminar (on-line), Dec 2, 2021.
- *Rademacher-Gaussian tail comparison for complex coefficients*, Online Asymptotic Geometric Analysis Seminar, Sep 21, 2021.
- *Sharp constants in Khinchin inequalities for type L random variables*, Probability Seminar (on-line), Stanford, Apr 12, 2021.

- *Khinchin inequalities and sections of convex bodies*, Probability/Statistics Seminar (on-line), USC, Feb 12, 2021.
- *Khinchin inequalities with sharp constants*, Winter School on "The Interplay between High-Dimensional Geometry and Probability" (on-line), Hausdorff Research Institute for Mathematics (HIM), Universität Bonn, Jan 13, 2021.
- *Shortest paths with a cost constraint: a probabilistic analysis*, AMS Sectional Meeting (on-line), University of Tennessee at Chattanooga, Oct 10, 2020.
- *Khinchin-type inequalities for uniforms on consecutive integers*, Functional Analysis Seminar (on-line), Institute of Mathematics Polish Academy of Sciences, Jul 1, 2020.
- *Volume thresholds of random polytopes*, Measure Theory Seminar (on-line), Kent State University, May 20, 2020.
- *Volume thresholds of random polytopes*, Analysis Seminar, University of Missouri, Mar 11, 2020.
- *Volume of intersections of convex bodies with their symmetric images and efficient coverings*, Workshop Geometric Tomography, BIRS, Banff, Feb 10, 2020.
- *Volume of intersections of convex bodies with their symmetric images and efficient coverings*, Harmonic Analysis Seminar, University of California, Irvine, Dec 12, 2019.
- *Volume of intersections of convex bodies with their symmetric images and efficient coverings*, Probability Seminar, University of Warsaw, Nov 28, 2019.
- *Remarks on generalized entropy power inequalities*, AMS Sectional Meeting, University of Florida, Nov 3, 2019.
- *On the question of the best additive noise among symmetric log-concave noises*, 2019 IEEE International Symposium on Information Theory Paris, Jul 11, 2019.
- *On a certain convexity property for sections of the cross-polytope*, Asymptotic Geometric Analysis IV, Euler International Mathematical Institute, Saint-Petersburg, Jul 2, 2019.
- *Volume of intersections of convex bodies with their symmetric images and efficient coverings*, Probability Seminar, National University of Singapore, Jun 12, 2019.
- *Stochastic dominance for sums of independent symmetric random vectors*, Probability Seminar, Carnegie Mellon University, Mar 25, 2019.
- *On a certain convexity property for sections of the cross-polytope*, Analysis Seminar, University of California Irvine, Nov 6, 2018.
- *On the cover time of the emerging giant*, Combinatorics and Probability seminar, Ohio State University, Oct 25, 2018.
- *On a certain convexity property for sections of the cross-polytope*, Measure Theory Seminar, Kent State University, Oct 3, 2018.
- *Log-concave random graphs*, AMS Sectional Meeting, University of Delaware, Apr 19, 2018.
- *Stochastic dominance for sums of independent symmetric random vectors*, Stochastics Seminar, Georgia Tech, Apr 19, 2018.
- *Stochastic dominance for sums of independent symmetric random vectors*, Probability Seminar, University of Alberta, Mar 14, 2018.
- *A Khnitchine inequality with sharp constants*, SUMIRFAS, Texas A&M University, Jul 22, 2017.
- *The entropy and moments of sums of certain iid random variables*, High Dimensional Probability, Oaxaca, May 29, 2017.
- *Entropy inequalities*, Probability Seminar, University of Warsaw, Apr 6, 2017.

- *Gaussian mixtures*, Probability Seminar, Technion, Mar 21, 2017.
- *A multidimensional analogue of the Rademacher-Gaussian tail comparison*, Workshop in Analysis and Probability, Texas A&M University, Jul 28, 2016.
- *Upper and lower bounds for suprema of canonical processes*, Chaining Methods and their Applications to Computer Science, Harvard, Jun 22, 2016.
- *A multidimensional analogue of the Rademacher-Gaussian tail comparison*, Inverse Problems and Analysis Seminar, University of Delaware, Apr 20, 2016.
- *A reverse entropy power inequality*, 50th Annual Conference on Information Sciences and Systems (CISS), Princeton, Mar 18, 2016.
- *A reverse entropy power inequality for log-concave random vectors*, Algorithms and geometry collaboration meeting, Simons Foundation, New York, Jan 29, 2016.
- *A reverse entropy power inequality for log-concave random vectors*, Probability Seminar, Princeton University, Sep 30, 2015
- *Tensor products of random unitary matrices*, 4th Joint British Mathematical Colloquium & British Applied Mathematics Colloquium, Cambridge, Mar 31, 2015
- *Expanders and local vs global invertibility of certain operators*, Combinatorics Seminar, University of Warwick, Jan 16, 2015
- *On some strange operators acting on* L_1, PIMS Summer School in Probability, Jun 5, 2014
- *Tensor products of random unitary matrices*, CNRS-PAN Mathematics Summer Institute, Cracow, Jul 5, 2013
- *De Bruijn integrals*, Stochastic Integrable Systems Reading Seminar, University of Warwick, May 21, 2013
- *Certain convolution type operators on* L_1 *are nicely invertible*, Probability Seminar, University of Warsaw, March 21, 2013
- *A large deviation principle for Wigner random matrices I and II*, Stochastic Integrable Systems Reading Seminar, University of Warwick, Feb 12 and 19, 2013
- *S-inequality*, Groupe de Travail "Convexité et Probabilités", Institut de Mathématiques de Jussieu, Feb 16, 2012
- *1-symmetric case of the complex S-inequality*, Probability Seminar, University of Warsaw, Oct 6, 2011
- *Volumes of Projections of Permutationally Invariant Convex Bodies*, Asymptotic Geometric Analysis seminar, Tel-Aviv University, Jul 24, 2011
- *A Loomis-Whitney type inequality for permutationally invariant unconditional convex bodies*, Probability Seminar, University of Warsaw, Apr 7, 2011

GRANTS

- NSF Grant DMS-2246484, 2023–2026
- NSF Grant DMS-1955175, 2020–2023
- Collaboration grant, the Simons Foundation, 2019-2020
- AMS-Simons Travel grant, 2018-2019.

TEACHING EXPERIENCE

- Lecture series "PhD Open" for graduate students *Probabilistic methods in convex geometry* (Fall 2024), University of Warsaw

- Lecturer for graduate courses: Asymptotic Convex Geometry (21-801, Fall 2018), Probability (21-721, Spring 2020, Spring 2021, Spring 2022), Complex Analysis (21-623, Spring 2021, Spring 2022, Spring 2024), Analytic and Probabilistic Methods in Convex Geometry (21-849, Spring 2023) Functional Analysis (21-640, Spring 2024), Carnegie Mellon University
- Lecturer for undergraduate courses: Probability (21-325, Spring 2018, Spring 2019, Spring 2023), Convex and discrete geometry (21-366, Fall 2019), Linear algebra (21-341, Fall 2020), Real Analysis II (21-356, Fall 2021, Fall 2022), Carnegie Mellon University
- Instructor for 1st year undergraduate courses: Introduction to Linear Algebra (MAT202, Spring 2016), Calculus I (MAT103, Fall 2016), Princeton University
- Supervision of 1st year undergraduate students (small groups), University of Warwick, 2012/13, 2013/14, 2014/15
- TA in 2012/13 for Analysis II, in 2013/14 for Combinatorial Optimization, Functional Analysis I & II, and in 2014/15 for Combinatorics, Functional Analysis I & II, Brownian Motion, Combinatorial Optimisation and Analysis II, University of Warwick
- Problem Solving Seminar for undergraduates (preparation for *International Mathematical Competition*), University of Warwick, 2013/14
- Team leader: *International Mathematics Competition 2013*, Blagoevgrad, Bulgaria, Aug 6-12, 2013
- Support classes for Analysis I & II, University of Warsaw, 2011/12

ADVISING

- Undergraduate students at CMU: Wenxin Ding (Summer 2018, SURF), Philip Lamkin (Summer 2019, SURF), Alexander Lum-Havrilla (Summer 2019, 2020 SURA, NSF), Yun Cheng, Yixue Liu, Albert Xu (Summer 2020, SEMS), Isaac Browne (Summer 2021, SURF), Jerry Liu (Summer 2021, SURF), Simran Khunger (2021-22), Alexander Brick, Xinjie He, Joseph Kalarickal, David Rotunno, Nathaniel Glover (Summer 2022, NSF), Brandon Dong (Summer 2023, NSF), Michael Hua (Summer 2023, SURA), Ishin Shah (Summer 2024, NSF)
- M.S. students at CMU: Ruoyuan Liu (thesis: Extremal central and non-central Sections of the cross-polytope, May 2020, PhD student at University of Edinburgh), Alexander Lum-Havrilla (thesis: A survey of Khinchin type inequalities, May 2021, PhD student at Georgia Tech), Keerthana Gurushankar (thesis: Sharp moment comparison inequalities for sums of independent uniform random variables, May 2021, PhD student at CMU), Isaac Browne (thesis: Recent methods for proving and improving correlation inequalities, May 2022, industry), Jonathan Jenkins (thesis: Concavity of random sign ℓ_p-type sum, May 2022, PhD student at Pennsylvania State University), Xinjie He (thesis: Tail bounds on sums of independent uniform random variables, May 2023, PhD student at UCLA)
- Graduate students at CMU: Salil Singh (2021-), Colin Tang (2023-)
- Post-doctoral collaborators at CMU: Jiawei Li (2019-20, now at University of Edinburgh), Giorgos Chasapis (2020-22, now at University of Crete), Katarzyna Wyczesany (2023-)

SEMINARS

- co-organiser of the Probability and Analysis Webinar (PAW), 2020–