Daniel K. Miller

Mathematician — Data scientist

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Summary

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Education

Cornell University   *Ithaca, NY*

Ph.D. in Mathematics   *August 2012–PRESENT*

- Won the Eleanor Norton York Award.

Cornell University   *Ithaca, NY*

Master's in Computer Science   *August 2015–PRESENT*

University of Nebraska Omaha   *Omaha, NE*

B.S. in Mathematics   *August 2009–July 2012*

- Minor in Computer Science.
- Graduated *summa cum laude*, with Highest Honors in Mathematics.

Publications

Casey Kelleher, Daniel Miller, Trenton Osborn, and Anthony Weston. Strongly non-embeddable metric spaces. *Topology Appl.*, 159(3):749–755, 2012.

Casey Kelleher, Daniel Miller, Trenton Osborn, and Anthony Weston. Polygonal equalities and virtual degeneracy in L_p-spaces. *J. Math. Anal. Appl.*, 415(1):247–268, 2014.

Work experience

Teaching Assistant   *Ithaca, NY*

Cornell University   *August 2012–PRESENT*

- Czar's Assistant for Calculus I and II.
- Teaching assistant for Honors Calculus II and Multivariable Calculus.
- Grader for Graduate Algebra I and II.

Resident Advisor   *Ithaca, NY*

Chesterton House   *August 2013–May 2014*

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Tutor at the Math–Science Learning Center   *Omaha, NE*

University of Nebraska Omaha   *January 2012–May 2012*

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Relevant coursework and skills

Coursework: Algebraic topology — Cloud computing — Database management systems — Data structures — Functional programming — Linear algebraic groups — Object-oriented programming — Operating systems — Probability theory — Real analysis — Smooth manifolds

Programming: C — C# — Java — TEX — Python