

Daniel Miller

MATHEMATICIAN — DATA SCIENTIST

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Summary

I'm a math Ph.D. student whose work centers on the statistics of large data sets coming from number theory.

Education

Cornell University

PH.D. IN MATHEMATICS

Ithaca, NY

August 2012–May 2017

- As TA for undergrad courses, I taught abstract concepts in a classroom setting
- Courses relevant to data science: Smooth manifolds, Algebraic topology, Real analysis, and Linear algebraic groups. Also, I've won the Eleanor Norton York Award on the basis of my achievements.

Cornell University

MASTER'S IN COMPUTER SCIENCE

Ithaca, NY

August 2015–May 2017

- Cloud computing project
- Cloud computing—Operating systems

University of Nebraska Omaha

B.S. IN MATHEMATICS

Omaha, NE

August 2009–August 2012

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

Research Experience

Computational statistics of elliptic curves

CORNELL UNIVERSITY (PHD)

August 2015–May 2017

- Bla bla

Summer Mathematics Institute

CORNELL UNIVERSITY (UNDERGRADUATE)

Summer 2011

- With A. Weson, C. Kelleher, and T. Osborn, constructed a complex new example that disproved a long-standing conjecture. Our work was published *Topology and its Applications* and *Journal of Mathematical Analysis and Applications*

Fund for Undergraduate Scholarly Experiences

UNIVERSITY OF NEBRASKA OMAHA

Summer 2012

- Created a simpler and more robust approach to a recent and important theorem in Hopf–Galois theory.

Kerrigan Minigrant

UNIVERSITY OF NEBRASKA OMAHA

Spring 2011

- Computed and graphed a highly abstract counterexample in complex analysis.

Skills and Activities

Programming: C — C# — Java — \TeX — Python

Resident Advisor

CHESTERTON HOUSE

Ithaca, NY

August 2013–May 2014

- Coordinated living responsibilities and events for a household of 15 men.