

Alison McDonough

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CITIZENSHIP: USA

EDUCATION:

MA in Mathematics

University of Illinois at Chicago, May, 2011 (expected).

BA High Honors in Mathematics

Smith College, May 2009, minor in Logic

EMPLOYMENT:

Undergraduate TA, Smith College Logic and Mathematics Departments (2007-2008). Graded homework for Introductory Logic and Discrete Mathematics courses, led discussion groups and tutored students one-on-one. Also organized TA schedules and assignments for Logic 100 during the Fall 2008 semester.

Teaching Assistant, UIC Mathematics Department (2009-Present). Worked one-on-one with students in Beginning Algebra.

RESEARCH:

"Snake Cube Puzzles: Hamilton Paths in Cubic Grid Graphs" (May 2009) Undergraduate Honors Thesis, advisor Pau Atela.

"Squaring the Plane" (January 2009) Worked with Jim Henle and four fellow students, elaborating on his work in "Squaring the Plane" with Frederick Henle. Presented results at the Joint Mathematics Meetings in Washington DC.

"De Bruijn Sequences" (Summer 2008) Worked with Michael Bush and two fellow students for two months investigating DeBruijn sequences. Presented results at the Women in Mathematics in New England conference in September 2008 at Smith College in Northampton, MA.

"Coloring Graphs With Given Crossing Patterns" (May 2008) Worked with Michael Albertson and two fellow students on the chromatic number of certain graphs. Presented results during the poster session at Smith College Collaborations 2008.