

# SHIRLEY LAW

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## Education

- **North Carolina State University**—Raleigh, NC  
*advisor: Nathan Reading*
  - Mathematics (MS) 2009
- **Appalachian State University**—Boone, NC  
*Magna Cum Laude*
  - Mathematics (BS): Outstanding Senior 2007
  - Economics (BA): Outstanding Senior 2007

## Research

- **Research Experience for Early Graduate Students**—North Carolina State University  
*Summer 2008*
  - advisor: Nathan Reading
  - Combinatorics: Baxter Groups
- **Research Experience for Undergraduates**—Clemson University  
*Summer 2006*
  - advisor: Dave Penniston
  - Combinatorics: Divisibility of variations of the partition function

## Presentations

- **AMS Sectional Meeting**—Cornell University  
*Ithaca, NY*
  - Invited Talk 2011
- **Student Research Fair**—Appalachian State University  
*Boone, NC*
  - Poster Session 2007
- **Computer Science and Math Conference**—Appalachian State University  
*Boone, NC*
  - Lecture 2007
- **Furman university Colloquium**—Furman University  
*Greenville, SC*
  - Invited Talk 2007
- **Joint Math Meetings**—  
*New Orleans, LA*

## Publications

- **The Hopf algebra of diagonal rectangulations—**  
*with Nathan Reading*
  - J. Combin. Theory Ser. A. 119 (2012) no. 3, 788-824
- **Divisibility properties of the 5-regular and 13-regular partition functions—**  
*with Neil Calkin, Nate Drake, Kevin James, Philip Lee, David Penniston, and Jeanne Radder*
  - Integers 8 (2008), no. 2, A60, 10pp.