

# Michael E. Picollelli

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## Education

Carnegie Mellon University  
Ph.D., Algorithms, Combinatorics & Optimization  
Advisor: Tom Bohman  
Thesis: Extremal Problems and Random Processes on Graphs  
Pittsburgh, PA  
(Expected) August 2008

University of Delaware  
B.S., Mathematics  
*Magna Cum Laude*  
Newark, DE  
May 2002

## Research Interests

Extremal Combinatorics; Extremal Graph Theory; Probabilistic Combinatorics.

## Papers

1. "An Anti-Ramsey Condition on Trees," *Electronic Journal of Combinatorics*, 15(1) (2008), R24.
2. "The Spread of Disease on a Random Graph with a Fixed Degree Sequence," with Tom Bohman, in preparation.

## Honors and Awards

Hugh D. Young Graduate Student Teaching Award, Carnegie Mellon University, 2006  
Phi Beta Kappa, 2002  
AAUP Undergraduate Student Award, University of Delaware, 2002  
William Clark Prize, University of Delaware, 2002  
Stephen J. Wolfe Scholarship, University of Delaware, 2001  
Carl and Eleanor Rees Scholarship, University of Delaware, 2001

## Teaching Experience

Instructor - Carnegie Mellon University

- Discrete Math (*Pennsylvania Governor's School for the Sciences*), Summer 2007
- Pre-Calculus (*Summer Academy for Math and Science*), Summer 2005, 2006, 2007
- Discrete Mathematics, Summer 2004

Teaching Assistant - Carnegie Mellon University

- Integration, Differential Equations, and Approximation, Fall 2006
- Multivariate Analysis and Approximations, Fall 2005
- Calculus for Architecture (*Mini*), Fall 2004
- Models and Methods of Optimization, Spring 2004, 2006, 2008
- Discrete Mathematics, Fall 2003
- Calculus in Three Dimensions, Spring 2003
- Calculus of Approximation (*Mini*), Fall 2002, 2004
- Integration and Differential Equations (*Mini*) Fall 2002