

Micah B. Milinovich

Department of Mathematics
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Research Interests:

Analytic Number Theory, especially L-functions and multiplicative number theory.

Education:

- Ph.D. Mathematics, expected May 2008 - Univ. of Rochester, Rochester, NY, USA.
- M.A. Mathematics, May 2002 - University of Rochester, Rochester, NY, USA.
- B.A. Mathematics, May 2001 - University of Rochester, Rochester, NY, USA.

Teaching Experience:

MATHEMATICS INSTRUCTOR University of Rochester
Rochester, NY, USA Fall 2004, Fall 2005
Taught two semesters of Calculus (MTH 161 and MTH 142).

TEACHING ASSISTANT University of Rochester
Rochester, NY, USA Multiple Semesters
Have been a teaching assistant for various mathematics courses as both an undergraduate and graduate student. Courses include Calculus, Honors Calculus, Honors Linear Algebra, and Honors Multi-Variable Calculus.

TITLE I MATHEMATICS INSTRUCTOR Oliver Wendall Holmes M.S. (IS 204)
Long Island City, Queens, NY, USA Jan.-Jun. 2003
Taught 5 classes per day (3 separate course preps.) of 6th, 7th, and 8th grade math.

HEAD MATH INSTRUCTOR: ECO PROGRAM Office of Minority Student Affairs
Univ. of Rochester, Rochester, NY, USA Summer 2002
Designed three different calculus and pre-calculus courses, taught one of the courses, and designed some special math projects to encourage student interest in mathematics.

Talks & Presentations:

- *Upper bounds for discrete moments of the Riemann zeta-function.* Maine/Quebec Number Theory Conference. University of Maine, Orono, ME. September 30, 2007.
- *Upper bounds for discrete moments of the Riemann zeta-function.* Number Theory Fest. University of Illinois, Urbana, IL. May 17, 2006.
- *Upper bounds for discrete moments of the Riemann zeta-function.* Number Theory Seminar. University of Rochester, Rochester, NY. May 8, 2006.
- *Moments of the Riemann zeta-function and its derivatives.* Carleton-Ottawa Number Theory Seminar. University of Ottawa, Ottawa, Canada. November 3, 2006.

- *Moments of the Riemann zeta-function and its derivatives.* Number Theory Seminar, University of Rochester, Rochester, NY. October 25, 2006.
- *The Selberg Class of L-functions.* Number Theory Seminar, University of Rochester, Rochester, NY. May 13, 2005.
- *Stepanov's elementary proof of the Riemann Hypothesis for hyperelliptic curves over finite fields.* Number Theory Seminar, University of Rochester, Rochester, NY. March 31 and April 7, 2005.
- *Irrationality, Transcendence, and Approximation.* Society of Undergraduate Math Students Presentation, University of Rochester, Rochester, NY. December, 1 2004.

Workshops & Conferences Attended:

- *Maine/Québec Conference on Number Theory & Related Topics.* Sept. 29 - 30, 2007. University of Maine, Orono, ME.
- *Illinois Number Theory Fest.* May 16-20, 2007. University of Illinois at Urbana-Champaign. Urbana, IL.
- *School and Conference on Number Theory and Random Matrix Theory.* May 30 - June 8, 2006. University of Rochester, Rochester, NY.
- *Equidistribution in Number Theory.* July 11 - 22, 2005. Université de Montréal, Montréal, Québec.
- *Workshop on Number Theory and Random Matrix Theory & CMS summer meeting.* June 1 - 5, 2005. University of Waterloo, Waterloo, Canada.
- *Matrix Ensembles and L-Functions.* July 12 - July 16, 2004. Isaac Newton Institute for Mathematical Sciences, Cambridge, England.
- *Random Matrix Theory and Arithmetic Aspects of Quantum Chaos.* June 28 - July 2, 2004. Isaac Newton Institute for Mathematical Sciences, Cambridge, England.
- *Recent Perspectives in Random Matrix Theory and Number Theory.* March 29 - April 8, 2004. Isaac Newton Institute for Mathematical Sciences, Cambridge, England.
- *Excursions in Computational Number Theory.* June 17, 2002 to June 28, 2002. MSRI Summer Program - Simon Fraser University, Vancouver, BC Canada.

Publications & Preprints:

- *Lower bounds for moments of $\zeta'(\rho)$.* (with N. Ng) Recommend for Publication: Bull. London Math. Soc., preprint on ArXiv: <http://arxiv.org/pdf/0706.2321.pdf>.
- *Upper bounds for moments of $\zeta'(\rho)$.* Preprint.
- *Moments of the Riemann zeta-function and its derivatives.* Preprint.
- *Discrete mean-value theorems for long Dirichlet polynomials* (with J. Bian, S. Gonek, H. Hahn, and N. Ng). In preparation.

Awards & Distinctions:

- Fall 2007. Supported in part by S. Gonek's NSF grant.
- 2003 – present. Dean's Fellowship, University of Rochester.
- 2003 – present. Teaching Assistantship, Math Dept., University of Rochester.
- 2005 – 2007. Supported in part by S. Gonek's NSF FRG grant.
- April, June, & July 2004. Long-stay Participant for the Programme in Random Matrix Approaches in Number Theory, Isaac Newton Institute for Mathematical Sciences, Cambridge, England.
- May 2001. Graduated Summa cum Laude, University of Rochester.
- May 2001. Arthur Gale Award (most outstanding graduating senior in mathematics), Math Dept., University of Rochester.
- May 2001. Graduated with Highest Distinction from the Mathematics Department, University of Rochester.
- May 2000. Inducted to Phi Beta Kappa and Golden Key National Honor Societies.
- 1997 – 2001. Bausch & Lomb Scholarship.
- 1997 – 2001. Rush Rhees Scholarship.

References:

- STEVE GONEK
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- KANNAN SOUNDARARAJAN
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- DAN GOLDSTON
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Department of Mathematics, One Washington Square, San Jose, CA 95192
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- JONATHAN PAKIANATHAN (Reference for Teaching)
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