

Elizabeth G. Berg

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EDUCATION

University of Wisconsin

Madison, Wisconsin

Pursuing Ph.D. in Computer Sciences with
Minor in Mathematics. GPA: 3.90.
September 2003 - present

Awarded M.S. in Computer Sciences.
December 2005

University of Southern Maine

Portland, Maine

Completed courses in mathematics,
statistics, and computer science.
September 2002 - May 2003

Williams College

Williamstown, Massachusetts

Awarded B.A. with Major in Mathematics.
Graduated Magna Cum Laude. GPA: 3.78.
Phi Beta Kappa.
September 1997 - June 2001

National University of Ireland

Galway, Ireland

Semester abroad: Studied history, literature,
and philosophy.
Spring 2000

Westbrook High School

Westbrook, Maine

Valedictorian of Graduating Class.
September 1993 - June 1997

EXPERIENCE

University of Wisconsin

Madison, Wisconsin

Predoctoral Trainee of Computation and
Informatics in Biology and Medicine
Training Program
January 2008 - present

Teaching Assistant for CS412 Numerical
Methods: Held office hours, graded, and
aided with general administration of course.
Spring 2007

Graduate Research Assistant: Conducted
research on quantum computing,
complexity theory and algorithms.
*September 2004 - December 2006 and Summer
2007*

University Fellow.
August 2003 - August 2004

Madison Area Technical College

Madison, Wisconsin

Part-time Faculty: Instructed Intermediate
Algebra I and Math Analysis courses.
Fall 2007

Fuji Xerox Palo Alto Laboratory Inc.

Palo Alto, California

Research intern: Conducted collaborative
research on quantum zero-knowledge
protocols.
Summer 2006

Northeastern University

Boston, Massachusetts

Participant in Summer Institute in
Mathematical Studies - Quantum
Information Theory: Modeled unitary qubit
channels continuously connected to the
identity map and analyzed their Shannon
capacities.
Summer 2002

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EXPERIENCE (Continued from page 1)

Accord Music Group

Waterville, Maine

Production and Executive Assistant:
Assisted with all aspects of production of various music projects, including the first Saltwater Music Festival.

January 2003 – August 2003

Glen Urquhart School

Beverly Farms, Massachusetts

Designed and instructed two week-long summer camp courses, Weird Science and Creative Cooking.

Summer 2002

Maine Medical Center

Portland, Maine

Annual Report Coordinator for The Maine Heart Center.
2002

Data Manager.
2001 - 2002

Williams College

Williamstown, Massachusetts

Writing Tutor for Williams College Writing Workshop.
1998 – 2001

Designer and Programmer for Multimedia Neuroscience Education Project.
1999 – 2001

Student Advisor for Mathematics Department.
2000 – 2001

Student Mathematics and Statistics Advisory Board Member.
2000 – 2001

Piano Accompanist for Music Department.
1997 – 2001

AWARDS & FELLOWSHIPS

Computation and Informatics in Biology and Medicine Predoctoral Traineeship

University of Wisconsin – Madison
January 2008 – present

University Fellowship

University of Wisconsin – Madison
August 2003 – August 2004

William W. Kleinhandler Prize for Excellence in Music

Awarded by Williams College Department of Music.
June 2001

Wilmers Fellowship

Awarded by Williams College for travel and study abroad in Ireland.
Summer 2000

Mellon Summer Fellowship

Awarded by Williams College for work on The Multimedia Neuroscience Education Project with Dr. Betty Zimmerberg at Williams College.
Summer 1999

PRESENTATIONS

“Quantum Zero Knowledge,” research presentation at Fuji Xerox Palo Alto Laboratory Inc.
August 24, 2006

Regular presenter at QuBIC (Quantum and Biologically Inspired Computing) Series.
January 2005 – May 2007

OTHER INTERESTS

South Madison Coalition of the Elderly

Madison, Wisconsin

Volunteer for Home Chore Program.
January 2006 - present