

Anna M. Ritz

aritz@cs.brown.edu

Brown University, Box 1910
Department of Computer Science
Providence RI 02902-1910

Educational Background:

Brown University, Providence, RI

- ScM and Admission to Candidacy expected May 2007.
- PhD expected 2012.

Carleton College, Northfield, MN

- Graduated Magna cum Laude 2006 with a BA in Computer Science.
- Overall GPA: 3.731; Major GPA: 3.814.

Madison West High School, Madison, WI

- Graduated 2002 with honors.
- Milt McPike Achievement Award and Female Athlete Leadership Award, 2002.

Research Experience:

Phosphoproteomic Research

Brown University: September 2006 – Present

- Research in collaboration with Arthur Salomon of the Dept. of Molecular Biology, Cell Biology, and Biochemistry at Brown University.

Related Papers

“Protein Phosphorylation Motifs from Mass Spectrometry Data”

A. Ritz, G. Shakhnarovich, B. Raphael; Technical Report, Nov. 2007.

“Quantitative Time-Resolved Phosphoproteomic Analysis of Mast Cell Signaling”

L. Cao, K. Yu, C. Banh, V. Nguyen, A. Ritz, B. Raphael, Y. Kawakami, T. Kawakami, A. Salomon; Journal of Immunology, Nov 2007.

Data Mining Research

Carleton College: June 2004 – June 2006

- NSF-funded research project in collaboration with University of Wisconsin - Madison.
- Collaborated with a team of computer scientists and chemists to provide appropriate software to analyze aerosol spectra.

Related Papers

“Adapting K-Medians to Generate Normalized Cluster Centers”

B. Anderson, D. Gross, D. Musicant, A. Ritz, T. Smith, L. Steinberg; SIAM Conference on Data Mining, Sept. 2005.

“User-Friendly Clustering for Atmospheric Data Analysis”

B. Anderson, A. Ault, M. Gaelli, D. Gross, D. Musicant, A. Ritz, M. Yuen; Technical Report, Feb.2005.

Other Work and Volunteer Experience:

Computer Science Graduate Orientation Organizer

Brown University: June 2007- Present

- Organized a four day orientation for incoming PhD and ScM students.

Computational Biology Reading Group Organizer

Brown University: May 2007 - September 2007

- Created and ran a summer reading group for Computer Science, Applied Math, Biology and Chemistry students and faculty.

Faculty Search Czar

Brown University: January 2007-March 2007

- Met with Computational Biology faculty candidates and communicated the student body’s responses

Computer Science Department Student Advisor

Carleton College: September 2005 – June 2006.

- Served as an information resource for students considering a major in Computer Science.