

Cory L. Strobe
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EDUCATION

- Ph.D. Computer Science, Specialization in Bioinformatics
University of Nebraska - Lincoln, Expected May 2008
- M.S. Computer Science
University of Nebraska - Lincoln, 2003
Thesis Title: "Parameterization of Cosmic Ray Showers"
Advisor: Dr. Stephen D. Scott
- B.S. Computer Science, Management Information Systems, Concordia University,
Seward, NE, 2001
- B.A. Math

RESEARCH EXPERIENCE

Graduate Research Assistant, Bioinformatics Laboratory, University of Nebraska,
Lincoln, NE. 2003-2005

Graduate Research Assistant, Cosmic Ray Observatory Project (CROP) University
of Nebraska, Lincoln, NE. 2002-2003

PUBLICATIONS

Refereed Journal Publications:

C.L. Strobe, S.D. Scott, and E.N. Moriyama. indel-Seq-Gen: A new protein family
simulator incorporating domains, motifs, and indels. *Molecular Biology and
Evolution*, 24:640--649. 2007.

Conference Proceedings:

Intelligent Systems for Molecular Biology (ISMB). Simulation of Protein
Families in the Twilight Zone, June 2005. Poster.

Research in Computational Molecular Biology (RECOMB). Simulation of Protein
Families in the Twilight Zone, May 2005. Poster.

Nebraska EPSCoR State Conference on Bioinformatics and Biomedical Computing.
Phylogenetic reconstruction methods for highly diverged protein families,
April 2004. Poster.

AWARDS

1996-2000 Board of Regents Scholarship, Concordia University, Seward, NE
1996-2000 Presidents Scholarship, Concordia University, Seward, NE

TEACHING EXPERIENCE

Graduate Teaching Assistant, Department of Computer Science, University of
Nebraska - Lincoln, 2006-2007 Basics of Computing (Full responsibility;
consists of primarily freshman and sophomore non-majors; 3-hour course
introducing the breadth of computer science, including hardware, software,
networks, theory and social issues of computing; approximately 75 students;
supervised grader, collaborated with lab instructor to coordinate lab and
course; evaluated student performance)

Graduate Teaching Assistant, Department of Computer Science, University of Nebraska - Lincoln, 2005-2006 Introduction to Problem Solving with Computers (Full responsibility; consists of primarily freshman and sophomore non-majors; 3-hour course introducing problem solving techniques using the C programming language; approximately 50 students; supervised grader, collaborated with lab instructor to coordinate lab and course; evaluated student performance)

Graduate Teaching Assistant, Department of Computer Science, University of Nebraska - Lincoln, 2002 Numerical Analysis I (3-hour undergraduate/graduate course focusing on elementary numerical methods of finding roots of equations, interpolation, differentiation, integration, and approximations; approximately 30 students)

PUBLIC SPEAKING

4/20/2006

Multiple-Instance Machine Learning for Subcellular Localization Classification. Plant Science Initiative Seminar, University of Nebraska - Lincoln

SERVICE

2007 Planning committee representative for the campus-wide graduate TA workshop

2007 McNair Scholarship program speaker

2002 Student representative to the Computer Science department Graduate Committee

Reviewer for journal Bioinformatics