

MILER T. LEE
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EDUCATION

University of Pennsylvania School of Medicine, Philadelphia, PA Oct 2009
Ph.D. Candidate, Genomics and Computational Biology
• Dissertation topic: Modular Organization and Composability of RNA Structures
• Honor: U.S. Dept. of Energy Computational Sciences Graduate Fellowship (2005-present).

Stanford University, Stanford, CA
M.S., Computer Science. Concentration: Natural Language Processing. June 2002
B.S., Symbolic Systems. Concentration: Artificial Intelligence. June 2000

ACADEMIC & TECHNICAL EXPERIENCE

University of Pennsylvania, Philadelphia, PA 2003 - present
Doctoral Candidate, Laboratory of Dr. Junhyong Kim
• Conduct research in molecular biology and RNA structure using self-written and publicly-available computational resources, focusing on neuronal RNA biology in collaboration with the laboratory of Dr. James Eberwine.
• One first-authored paper (*PLoS Comp. Biol.* 2008) and one co-authored paper (*PNAS* 2009) published; one first-authored paper in review (*Science*); additional in preparation.
• Served on the GCB Graduate Group Curriculum and Advising Committee (2004-2008)
• Served as Vice Chair – Academic for the Biomedical Graduate Student Association (2006-2007), the governing body for the roughly 700 Penn biomedical Ph.D. students.
• Helped design the curriculum for the pilot version of CIS 535 – Intro to Bioinformatics and served as teaching assistant (Fall 2004) and guest lecturer (Fall 2005).

Sandia National Laboratories, Albuquerque, NM Summer 2007
Research Intern, Computational Biology Dept, Laboratory of Dr. Elebeoba May
• Computationally identified structural features that influence the efficacy of catalytic biosensors for the detection of pathogenic genetic sequences.

Stanford University, Stanford, CA 1999 - 2002
Research Asst.; Teaching Asst., Computer Science Dept. & Biological Sciences Dept.
• Investigated information extraction and integration from Web sources (Dr. C. Manning).
• Studied invasive behavior and colony dynamics of several ant species (Dr. D. Gordon).
• Served as teaching assistant for six CS courses, including Intro. to Artificial Intelligence.

Kana Communications, Redwood City, CA Summer 2000
Engineering Intern
• Initiated the internationalization effort for an automated e-mail classification system.

LEADERSHIP & BUSINESS EXPERIENCE

Penn Biotech Group, Philadelphia, PA 2006 - 2007
Co-Vice President; Project Manager
• As Co-VP for the Careers Dept., organized and directed job-planning and networking events for graduate students planning to pursue careers in biotechnology-related fields.
• As Project Manager for the Consulting Dept., led a team of four consultants to provide market research for a biomedical Web start-up: analyzed competitors, characterized the market in which to position the service, and designed and carried out an online and face-to-face usability survey with 150 participants in total.

The Stanford Daily Publishing Corporation, Stanford, CA 2000 - 2002
Board of Directors Editorial Member at Large
• Oversaw the editorial and financial operations of the \$1.5 million nonprofit publishing corporation as one of three student members on the eight-person board.