

JAMES DAMORE

damore@mit.edu

Local Address

Apt. 2106C
235 Albany St.
Cambridge, MA 02139

Permanent Address

622 Poplar Ave
Romeoville, IL 60446
(215) 839-8759

EDUCATION

Bachelor of Science, Molecular and Cellular Biology
University of Illinois, Urbana, IL GPA 3.93 - Top 3% of Class

Minors: Physics and Chemistry
August 2007 - May 2010

RESEARCH EXPERIENCE

Massachusetts Institute of Technology

Biophysics and Systems Biology under Jeff Gore

June 2010 - Present

University of Illinois at Urbana-Champaign

Theoretical and Computational Biology under Nathan Price

September 2008 - May 2010

- Analyzed the implications of phase transitions in random Boolean networks
- Preparing paper on optimal classifiers of Boolean networks
- Investigated the evolution of cooperativity in complex microbial systems

Computational Biology under Sheng Zhong

September - December 2009

- Researched the evolutionary dynamics of gene expression
- Used large data sets to find the relation between evolutionary distance and changes in gene expression
- Took a systemwide view to gain novel insights and identify new avenues for research

Harvard University

Computational and Mathematical Biology under Marc Vidal

June - August 2009

- Studied the evolutionary dynamics of protein-protein interactions
- Provided computational framework to study networks of protein-protein interactions between human and yeast
- Mined large datasets produced by the lab

Princeton University

Computational and Experimental Biology under Saeed Tavazoie

June - August 2008

- Examined the effect of mutations on the micro- and macroscopic swarming phenotype of *E. coli* cells
- Wrote programs in MATLAB to process and extract information from images of swarming cells
- Performed and brainstormed all coding and wet lab experiments

RELEVANT SKILLS

- Extensive programming in C/C++, Java, MATLAB, Perl, MySQL, L^AT_EX and experience with UNIX-based systems and servers
- Senior or graduate level knowledge of biology, physics, chemistry, mathematics, game theory, and computer programming
- Laboratory experience in genetic and protein assays as well as mammalian and bacterial cultures

AWARDS

- James Scholar and Bronze Tablet - Highest Award Given to Graduates of University of Illinois
- Presidential Physical Fitness Award 2005, 2006, and 2007
- FIDE Master in Chess (>99th Percentile)
- Board 1 and Conference Champion 2004, 2005, 2006, 2007
- 2nd in Nation Youth Action 2003 Chess Tournament
- Highest Ranked Rise of Nations Player in World 2004