

Srinath Sridhar

- Computer Science Department Cell: 412-320-6895
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Pittsburgh, PA 15213 Web: <http://www.cs.cmu.edu/~srinath>
- Education** Ph.D. Computer Science, Carnegie Mellon University, 2007
Thesis: Algorithms for Analyzing Intraspecific Sequence Variation

B. S. (Honors) Computer Science, University of Texas at Austin, 2003
Dean's Honored Graduate (Selected as top graduate); GPA: 4.0
- Work Experience** Software Engineering Intern Summer 2007
Google Inc, Mountain View, California
Project: Algorithms for improving search result quality

Graduate Student Intern Summer 2006
International Computer Science Institute, Berkeley, California
Project: Fast clustering algorithm

Graduate Student Intern Summer 2005
Cold Spring Harbor Labs, Cold Spring Harbor, New York
Project: Computational analysis of copy number polymorphisms (CNPs)
- Teaching Experience** Teaching Assistant, Computational Methods for Biological Modeling and Simulation,
Graduate Course, Spring 2005; taught by Russell Schwartz.

Teaching Assistant, Design and Analysis of Algorithms, Undergraduate Course, Fall
2006; co-taught by Manuel Blum and Avrim Blum.
- Patents and Software** **Google Patent** Application, "RANKING SEARCH RESULTS", Inventors: S. Sridhar,
etc., filed on 8/27/07.

<http://www.cs.cmu.edu/~imperfect>
An online tool that can construct maximum parsimony phylogenies (Steiner minimum
trees) on SNP data and display number of recurrent mutations at any specific location
provided by the user. Algorithms were implemented in C++ using the **Cplex Concert**
libraries. The software was self-developed.

<http://www.cs.cmu.edu/~triplets>
An online tool that clusters individuals based on SNP data into two sub-populations
and returns the significance of the clusters. The algorithm was implemented in C++.
The software was self-developed.
- Awards** **Best paper award**, *International Symposium of Bioinformatics Research and Applications (ISBRA)* 2007

Graduate fellowship at Computer Science Department (2003-2007)

Dean's honored graduate: elected by the faculty to be the top graduate among the
graduating computer science class of 2003, University of Texas, Austin
- Languages** C, C++, Java, Matlab/Octave, Perl, Splus/R.
- Graduate Courses** Graduate Algorithms, Randomized Algorithms, Algorithms in the Real World, Integer
Programming, Statistical Machine Learning, Computational Molecular Biology,
Computational Genomics, Distributed Systems and Operating Systems, Programming
Languages, Computer Architecture.
- Other Interests** Chess, Indian classical music, **wiki** browsing