

Zia Khan

CONTACT INFORMATION 451 $\frac{1}{2}$ Jersey Ave.
Jersey City, NJ 07302
Cell: (201)414-8770
E-mail: zkhan@princeton.edu
WWW: www.cs.princeton.edu/~zkhan

SUMMARY Research and development experience.
Self-directed, works effectively on complex and poorly defined problems.
Experienced C/C++ programmer.

EDUCATION **Princeton University**, Princeton, NJ
Graduation Expected May 2011.
4th year Ph. D. student, Computer Science
Research Focus: Bioinformatics & Computational Biology
Advisors: Mona Singh and Leonid Kruglyak

Carnegie Mellon University, Pittsburgh, PA
B.S., Computer Science, 2002
B.S., Biology, 2002, Mellon College of Science Research Honors

PROFESSIONAL EXPERIENCE **Princeton University, Department of Computer Science**, Princeton, NJ
Graduate Research Assistant, October 2006 - current
Designed algorithms for the analysis of high-throughput short read sequencing data. Implemented algorithms in C/C++. www.cs.princeton.edu/mems.
Designed algorithms for the analysis of LC-MS/MS proteomics data. Implemented the algorithms in C/C++ using the Qt interface library.

Sarnoff Corporation, Vision Technologies Group, Princeton, NJ
Algorithms Developer, May 2005 - September 2006
Conducted research in applied computer vision. Improved and optimized a real time algorithm, implemented in C/C++, for matching vehicles between non-overlapping cameras in a large camera surveillance network.

Georgia Institute of Technology, Atlanta, GA
Research Scientist 1, July 2002 - April 2005
Conducted research in computer vision and machine learning. Designed real time visual tracking systems.

SKILLS Languages: C/C++, Ocaml, Java, MATLAB, R, SQL, Perl
Libraries: STL, BOOST, Qt
Algorithms: Experience implementing, optimizing, and designing algorithms in computer vision, machine learning, computational biology, and bioinformatics.
Wet Lab: Basic techniques (e.g. PCR, etc.)

CITIZENSHIP United States of America