

## Sana Malik

Newark, DE 19702

### Contact

[e-mail](#)

[website](#)

*\* More information  
regarding my research,  
coursework, &  
independent study can be  
found on my website.*

## Education

### University of Delaware · Expected Graduation May 2011

*Bachelor of Science in Computer Science, Minor in Mathematics*

Related Coursework: Computer Architecture, Operating Systems, Data Structures, Machine Organization & Assembly, Program Development Techniques, Automata Theory, Algorithms, Independent Study - exploration of programming for and porting to the OLPC and Myro robots.  
GPA: 3.5/4.0

## Work & Research Experience

### University of Delaware · Software Analysis and Compilation Lab

*Co-advisors* [Lori L. Pollock](#), [Vijay K. Shanker](#)

*Participant in UD Summer Scholars, Winter 2010*

Explore part of speech tagging in software code

*Participant in CRA-W/CDC DREU, Summer 2009*

Examine differences of Java & C++ and apply a Software Word Usage Model (SWUM) to C++.

### University of Delaware · Departments of Computer Science and Computer & Electrical Engineering

*Computer Lab Assistant, May 2008 - present*

Maintain department machines (Mac, Windows, Linux); set up, wire, and maintain networks; provide computer assistance for graduate students and professors

### Freelance Web Design · Self

*June 2006 - present*

Work with clients to determine look & feel, navigation, and content of website; develop graphics, layout, and code for website; revise based on client's needs; maintain and update when needed

## Skills

### Technical

*Computer Languages* Proficient: C/C++, HTML, CSS, LaTeX; Working: MATLAB, Python, PHP, Perl, Scheme, Bash; Basic: Maple, Java, Assembly

*Software* Proficient: Adobe Creative Suite (Photoshop, Illustrator), Microsoft Office Suite (Word, Excel, Powerpoint); Working: Minitab, Eclipse, DrScheme

*Operating Systems* Proficient: Mac OS X, Windows XP, Vista, and 7; Working: Linux/Unix

### Non-Technical

*Foreign Languages* Conversational: Urdu/Hindi; Working: French; Basic: Arabic

*Personal* Highly motivated, focused, cooperative, and analytical

## Awards & Honors

2004	Michael C. Ferguson Scholarship for excellence in Mathematics
2007	AP Scholar with Honor, CollegeBoard
2007	President's Award for Educational Excellence
2007, 2008	EC Davis Trust Scholarship, University of Delaware
2008	Woman of Promise, University of Delaware
2009	Summer Scholar, Science and Engineering
2009	May T. Keith Scholarship, University of Delaware
Fall 2007 - present	Dean's List, University of Delaware

## Activities

Fall 2005 - Spring 2007	Richardson Park Learning Center, mentor
Fall 2008 - present	CISters, member
Spring 2009 - present	Linux Users Group, member
Summer 2009 - present	OpenSolaris Users Group, member