

## Education

- North Carolina State University** Raleigh, NC, USA  
*Ph.D., Computer Science, under Dr. Nagiza Samatova* *Aug. 2012 - present*
  - GPA: 3.8/4.25 (expected graduation is spring 2017)
  - Coursework: Advanced Algorithms, Operating Systems, Graph Data Mining, Parallel Systems, Database Management Systems, Computability Theory, and Applied Logic
- University of North Carolina (UNC)** Chapel Hill, NC, USA  
*B.Sc. Mathematics; Minor in computer science* *Dec. 2011*

## Technical Skills

<b>Languages</b>	Python, C/C++, Java, Bash, R, MATLAB, L <sup>A</sup> T <sub>E</sub> X
<b>Development Tools</b>	Vim, Git, SVN, Make, Valgrind, Eclipse
<b>Operating Systems</b>	Linux (Debian and RedHat), Windows
<b>Parallel Programming</b>	MPI, OpenMP, Giraph, GraphX

## Work Experience

- North Carolina State University** Raleigh, NC, USA  
*Research Assistant* *Aug. 2012 - present*
  - Research that primarily focuses on the design and analysis of graph mining algorithms and their application to real-world problems.*Teaching Assistant* *Jan. 2013 - present*
  - Courses include: Automata and Computability, Data Sciences Level 1, and Algorithms for Data-Guided Business Intelligence.
  - Developed new assignments, assisted students, some lecturing, and, unfortunately, grading.
- Apress** Remote  
*Technical Reviewer* *May. 2015 - Oct. 2015*
  - Technical reviewer for [Practical Graph Analytics with Apache Giraph](#).
- SAS Institute** Cary, NC, USA  
*Graduate Industrial Trainee* *Oct. 2014 - May 2015*
  - Developed a code suite to analyze distributed graph processing systems over performance metrics such as memory and network usage, disk I/O, runtime and paging.
  - Prototyped the Neo4j graph database to simplify a customer's SQL-based application.
- Argonne National Laboratory** Lemont, IL, USA  
*Research Assistant* *May. 2014 - Aug. 2014*
  - Developed a novel technique for mining persistent substructures over an ensemble of graphs.
  - Worked on applying this technique towards climate model intercomparisons.

## Publications

3 first-author papers and several coauthor papers; please see my [publication list at Google Scholar](#).