Gina Rui **Bai**

PhD Student · Computer Science

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Education ───────────────────────────────

North Carolina State University   *Raleigh, NC*

Ph.D. in Computer Science. Est: May 2022   *Aug. 2016 - Present*

- Advisor: Dr. Kathryn T. Stolee

Wake Forest University   *Winston-Salem, NC*

B.S. in Computer Science, Minor in Mathematics   *Aug. 2012 - May 2016*

- Magna Cum Laude

Publications [Peer-Reviewed] ─────────────────────

How Graduate Computing Students Search When Using an Unfamiliar Programming Language   *ICPC 2020*

Gina R. Bai, Joshua Kayani, Kathryn T. Stolee.

- IEEE/ACM International Conference on Program Comprehension

Improving Students' Testing Practices   *ICSE 2020 - Doctoral Symposium*

Gina R. Bai.

- IEEE/ACM International Conference on Software Engineering

Exploring Tools and Strategies Used During Regular Expression Composition Tasks   *ICPC 2019*

Gina R. Bai, Brian Clee, Nischal Shrestha, Carl Chapman, Cimone Wright, Kathryn T. Stolee.

- IEEE/ACM International Conference on Program Comprehension

Investigating the Effects of Gender Bias on GitHub   *ICSE 2019*

Nasif Imtiaz, Justin Middleton, Joymallya Chakraborty, Neill Robson, Gina R. Bai, Emerson Murphy-Hill.

- IEEE/ACM International Conference on Software Engineering

Exploring Regular Expression Evolution   *SANER 2019*

Peipei Wang, Gina R. Bai, Kathryn T. Stolee.

- IEEE International Conference on Software Analysis, Evolution and Reengineering

Experience ───────────────────────────────

Research

North Carolina State University   *Raleigh, NC*

Graduate Research Assistant   *Aug. 2016 - PRESENT*

- Conduct research studies to better understand the students' performance and strategies of information retrieval and software testing
- Perform qualitative and quantitative data analyses
- Present findings at international conferences for software engineering

Wake Forest University   *Winston-Salem, NC*

Summer Research Fellow   *May 2014 – Aug. 2014*

- Visualized the LiDAR data as 3D images in four different approaches using MatLab
- Designed a poster and presented orally to other research fellows and WFU parents

Teaching/Tutoring

North Carolina State University   *Raleigh, NC*

Instructor   *May. 2020 - July. 2020*

- 10-week Summer session, CSC 226 - Discrete Mathematics
- Synchronous online teaching

North Carolina State University   *Raleigh, NC*

Graduate Teaching Assistant   *Aug. 2017 - Dec. 2017*

- Supervised weekly labs, held two office hours per week, graded assignments and exams, answered Piazza posts

Wake Forest University   *Winston-Salem, NC*

Sept. 2013 – May. 2016

- Held two office hours per week, graded assignments
- Conducted one-on-one and group tutoring sessions on Computer Science, Mathematics, Economics, Mandarin Chinese

Development

Mei & Mark LLP   *Washington, DC*

Web Support Specialist (Volunteer)   *Dec. 2016 - PRESENT*

- Maintain and update both English and Chinese firm websites via GoDaddy and WordPress
- Created Chinese version of firm website

Skills

Programming	C++, Java, JavaScript, R
Empirical Methods	Mixed Methods, Qualitative & Quantitative Analysis, Experimental Research Design
Language	English, Mandarin Chinese

Honors & Awards

2018	**Grace Hoppper Travel Scholarship Recipient**, NCSU-ACM-W (Women in Computer Science)	*Raleigh, NC*
2016-2017	**Graduate Research Award Recipient**, College of Engineering, North Carolina State University	*Raleigh, NC*
2014	**Research Fellowship Recipient**, Wake Forest University	*Winston-Salem, NC*

Service

NCSU-ACM-W (Women in Computer Science)   *Raleigh, NC*

Member/Officer   *2017 - 2020*

- Led the bi-weekly event "Coding Nights"
- Managed the internal logistics of DiamondHacks 2019