

Gina Rui Bai

PHD STUDENT · COMPUTER SCIENCE

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Education

North Carolina State University

PH.D. IN COMPUTER SCIENCE. EST: MAY 2022

- Advisor: Dr. Kathryn T. Stolee

Raleigh, NC

Aug. 2016 - Present

Wake Forest University

B.S. IN COMPUTER SCIENCE, MINOR IN MATHEMATICS

- Magna Cum Laude

Winston-Salem, NC

Aug. 2012 - May 2016

Publications [Peer-Reviewed]

How Students Test: Perceptions, Practices, and Pitfalls

ITiCSE 2021

GINA R. BAI, JUSTIN SMITH, KATHRYN T. STOLEE.

- ACM Conference on Innovation and Technology in Computer Science Education

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

Summer 2021

- CSC 116: Introduction to Computing - Java
- Undergraduate course, 10-week Summer Session
- Synchronous online teaching & Flipped classroom

North Carolina State University

Raleigh, NC

INSTRUCTOR

Summer 2020

- CSC 226: Discrete Mathematics for Computer Scientists
- Undergraduate course, 10-week Summer Session
- Synchronous online teaching

North Carolina State University

Raleigh, NC

GRADUATE TEACHING ASSISTANT

Fall 2020, Fall 2017

- Supervised weekly labs, held office hours, graded assignments and exams, provided assistance to students

Wake Forest University

Winston-Salem, NC

UNDERGRADUATE TEACHING ASSISTANT & STUDENT TUTOR

Sept. 2013 – May. 2016

- Held office hours, graded assignments, provided assistance to students
- 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

2021 **Graduate Merit Award**, College of Engineering, North Carolina State University

Raleigh, NC

2018 **Grace Hopper 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