

Rui (Gina) 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
- Advisor: Dr. Paúl Pauca

Winston-Salem, NC

May 2016

Employment History

Wake Forest University

SUMMER RESEARCH FELLOW (SUPERVISED BY DR. PAÚL PAUCA & DR. KENNETH S. BERENHAUT))

Winston-Salem, NC

May 2014 - Aug. 2014

North Carolina State University

GRADUATE RESEARCH ASSISTANT (SUPERVISED BY DR. KATHRYN T. STOLEE)

Raleigh, NC

Aug. 2016 - Aug. 2017

GRADUATE TEACHING ASSISTANT

Aug. 2017 - Dec. 2017

GRADUATE RESEARCH ASSISTANT (SUPERVISED BY DR. KATHRYN T. STOLEE)

Jan. 2018 - May 2020

INSTRUCTOR

May 2020 - Aug. 2020

GRADUATE TEACHING ASSISTANT

Aug. 2020 - Dec. 2020

GRADUATE RESEARCH ASSISTANT (SUPERVISED BY DR. KATHRYN T. STOLEE)

Jan. 2021 - May 2021

INSTRUCTOR

May 2021 - Aug. 2021

GRADUATE RESEARCH ASSISTANT (SUPERVISED BY DR. KATHRYN T. STOLEE)

Aug. 2021 - PRESENT

Mei & Mark LLP

WEB SUPPORT SPECIALIST (VOLUNTEER)

Washington, DC

Dec. 2016 - Present

Teaching Experience

North Carolina State University

INSTRUCTOR

Raleigh, NC

Summer 2021, Summer 2020

- **CSC 116: Introduction to Computing - Java**, 3 credit, undergraduate core course, Summer 2021, 35 students
 - Delivered lectures and supervised in-class labs synchronously online via Zoom
 - Flipped classroom; adapted course materials; managed undergraduate teaching assistant
 - Graded group projects; held office hours; provided assistance to students via emails and piazza posts
- **CSC 226: Discrete Mathematics for Computer Scientists**, 3 credit, undergraduate core course, Summer 2020, 21 students
 - Delivered lectures synchronously online via Zoom
 - Developed and adapted course materials; managed two graduate teaching assistants
 - Held office hours; provided assistance to students via emails and piazza posts

GRADUATE TEACHING ASSISTANT

Fall 2020, Fall 2017

- **CSC 712/591: Software Testing**, 3 credit, graduate elective course (for Ph.D. and M.S. students), Fall 2020, 38 students
 - Assisted in course assignment designing, provided assistance to students during in-class labs and after class, held office hours, and graded assignments
- **CSC216: Programming Concepts - Java**, 4 credit, undergraduate core course, Fall 2017, 200+ students (25 in lab)
 - Supervised weekly lab sessions, graded assignments, and managed team formation
 - Collaborated with twelve undergraduate and graduate teaching assistants, provided assistance to all students enrolled in this course via emails and Piazza posts (ranked highest in contributions in *Piazza Instructor Participation Report*), held office hours, and graded exams

Wake Forest University

UNDERGRADUATE TEACHING ASSISTANT & STUDENT TUTOR

- Held office hours, graded assignments, provided assistance to students
- Conducted one-on-one and group tutoring sessions on Computer Science, Mathematics, and Mandarin Chinese

Winston-Salem, NC

Fall 2013 – Spring 2016

Publications [Peer-Reviewed]

* Two papers under review at ICST and ICSE-SEET, omitted to preserve the integrity of the double-blind review process.

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

Honors & Awards

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

2018 **Grace Hopper Travel Scholarship Recipient**, NCSU-ACM-W (Women in Computer Science)

2016-2017 **Graduate Research Award Recipient**, College of Engineering, North Carolina State University

2014 **Research Fellowship Recipient**, Wake Forest University

Service

NCSU-ACM-W (Women in Computer Science)

Raleigh, NC

MEMBER/GRADUATE RELATIONS CHAIR

2017 - 2020

- Led the bi-weekly event "Coding Nights"
- Organized the workshops and invited guest speakers from the industry for Techwickz Coding Bootcamp 2018
- Presented at WiCS Research Symposium 2018 and mentored female graduate students in WiCS Research Symposium 2019
- Managed the internal logistics of DiamondHacks Hackathon 2019

Miscellaneous

Language English (fluent), Mandarin Chinese (fluent)

Honor Society Upsilon Phi Epsilon (International Honor Societies for the Computing and Information Disciplines, invited 2015)