

# Xiaochi “Walter” Zhang

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## EDUCATION

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### Brown University

*B.Sc. in Applied Math/Computer Science; Sc.M. in Computer Science; magna cum laude*

Providence, RI

Aug. 2019 – May 2023

### Vestavia Hills High School

*Alabama High School Diploma with Honors Endorsement*

Vestavia Hills, AL

Aug. 2015 – May 2019

## EXPERIENCE

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### Technology Internship Program

*CapitalOne*

June - August 2022

Richmond, VA

- Work with other interns to migrate, develop, and integrate a new application

### Head Teaching Assistant

*Brown University*

October 2021 - May 2022

Providence, RI

- CS22: Introduction to Discrete Structures & Probability: Hired, trained, and directed a team of undergraduate TAs; worked alongside the professor to plan out the semester in addition to normal Undergraduate TA duties.

### Software Engineering Intern

*Major League Baseball*

June 2021 – August 2021

Remote

- Maintained and enhanced Contract Tests on APIs

### Undergraduate Teaching Assistant

*Brown University*

December 2020 – December 2021

Providence, RI

- CS22: Introduction to Discrete Structures & Probability: lead recitation sections and evaluate student submissions
- CS1951x: Formal Proofs & Verification: assist students with course material and evaluate student submissions

### Relevant Coursework

*Brown University*

August 2019 – Present

Providence, RI

- Accelerated Introduction to CS, Honors Linear Algebra, Logic for Systems, Software Engineering, Discrete Structures and Probability, Statistical Inference, Systems and Software Security, ODEs/PDEs, Advanced Algorithms, Theory of Computation, Machine Learning, Probabilistic Methods, Deep Learning, Programming Languages, UI/UX, Data Science

### National Academic Quiz Tournaments Writer

*Online*

July 2019 – Present

- Create questions for academic competitions around the country and world

### Intern for CS Professor

*University of Alabama at Birmingham*

May 2018 – September 2018

Birmingham, AL

- Created, published, and maintained Skill on Alexa Skills Store

## HONORS/LEADERSHIP

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### Undergraduate |

August 2019 – Present

- Recipient of Gates Scholarship; Gates Scholarship Summer Institute Squad Leader
- Quiz Bowl Treasurer: September 2019 - Present

### High School |

Aug. 2015 – May 2019

- AP National Scholar, AP State Scholar, National Merit Finalist; Rank 2/526
- USAJMO Qualifier; AIME Qualifier x4; USA Computing Olympiad Gold Division; USABO/USNCO Semifinalist
- Mu Alpha Theta Chapter President: August 2018 - May 2019
- JV/Varsity Quiz Bowl Captain, History Bowl Captain 2016 - 2019, School Organizer 2018 and 2019

## SKILLS

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**Languages:** English, Chinese, Spanish

**Programming Languages:** Java, Python, C/C++, JavaScript, HTML/CSS, Matlab, Pyret

**Developer Tools:** Git, IntelliJ, Eclipse, Bash

**Certifications:** TestOut PC Pro, MTA Cyber Security Fundamentals, Microsoft Word & Excel