

# SERENA GAO

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## EDUCATION

### Georgia Institute of Technology

*Bachelor of Science in Computer Science (B.S./M.S.)*  
Threads: People and Information Internetworks  
Faculty Honors 2019~2021

Atlanta, GA

August 2019 - Present  
Expected Graduation: May 2022  
Cumulative GPA: 3.82/4.0

*Master of Science in Computer Science (B.S./M.S.)*

Expected Start Date: August 2022  
Expected Graduation: May 2023

## SKILLS

**Programming:** Java, Python, HTML, CSS, JavaScript, React, Mongoose, JavaFX, C

**Relevant Completed Coursework:** Computer Systems and Networks, Design and Analysis of Algorithms, Human-Computer Interface Design, Data Structures and Algorithms, Objects and Design, Computer Organization and Programming, Applied Combinatorics

**Relevant Current/Upcoming Coursework:** Computer Networking, Database Systems, UI Software

## PROJECTS

### Bits of Good

August 2019 - present

*Developer*

- Uses web tools to develop projects, generally web-based, for non-profit organizations
- Most recently finished a chat bot using Twilio and Mongoose for Health & Development in Guatemala
- Previously worked on a general donation marketplace for nonprofits and an improved class scheduling tool for GT students

### Personal Website

September 2020 - present

- Coded personal website from scratch using HTML, CSS, JavaScript; hosted on GitHub Pages

### HackGT 7, Atlanta, GA

October 2020

*Participant*

- Developer and main designer on an prototype Android application during the 36-hour hackathon
- Community application for Korean pop fans to connect: written in Dart & Flutter using Android Studio

### Farming Simulation Game

May 2020 - July 2020

- Worked with three other students to create a fully functional farming game with a farm, inventory, market, and randomized adverse events
- Primary developer in charge of visual design and implementation using Java/JavaFX

### HackGT 6, Atlanta, GA

October 2019

*Participant*

- Main developer and designer of an Alexa skill using AWS during the 36-hour hackathon
- Used an API to summarize and read articles, allowing for varying length and detail

## WORK EXPERIENCE

### Georgia Institute of Technology, Atlanta, GA

January 2021 - Present

*CS 1332 (Data Structures and Algorithms) Teaching Assistant*

- Previously Head Teaching Assistant for the Summer 2021 semester
- Duties include teaching recitation, grading homework/exams, holding office hours for students, writing exam questions, and being a main point of contact for students and TAs

## HONORS

Capital One Grace Hopper 2020 Scholarship Recipient  
The President's Volunteer Service Award

August 2020  
3-time recipient