SERENA GAO

314-825-4774   serena18188@gmail.com | sgao97@gatech.edu
sgao88.github.io   https://www.linkedin.com/in/serena-gao-253791189/

EDUCATION

Georgia Institute of Technology   **Atlanta, GA**
Master of Science in Computer Science   August 2022 - Present
Concentration: Social Computing   Expected Graduation: May 2023

Bachelor of Science in Computer Science   August 2019 – May 2022
Threads: People and Information Internetworks   Cumulative GPA: 3.88/4.0

SKILLS

Programming: Java, Typescript, React, Python
Relevant Completed Coursework: Computer Systems and Networks, Design and Analysis of Algorithms, Human-Computer Interface Design, Data Structures and Algorithms, Computer Organization and Programming, Computer Networking, Database Systems, UI Software, Online Communities, Information Security

WORK EXPERIENCE

Amazon, New York, New York   **May 2022 – August 2022**
Software Development Engineer Intern
- Developed a full-stack web application with multiple backend AWS integrations
- Used Lambda, S3, DynamoDB, AWS Data Exchange, OpenSearch, and more
- Project allowed developers to significantly increase efficiency in completing a task

Georgia Institute of Technology, Atlanta, GA
CS 3001 (Computing and Society) Graduate Teaching Assistant   **August 2022 – Present**
- Lead two discussion sections weekly and graded student work

CS 1332 (Data Structures and Algorithms) Undergraduate Teaching Assistant   **January 2021 – May 2022**
- 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

PROJECTS

Design of Online Communities Study   **January 2022 – May 2022**
- Conducted a research study with ERB approval involving live interviews with human subjects
- Engaged in over 10 hours of immersive field survey

Game Prototyper   **August 2021 – December 2021**
- Created a game prototyper interface with freely-drawable objects using the Dollar recognizer library and Java Swing

Bits of Good   **August 2019 – December 2021**
Developer
- Used web tools to develop projects, generally web-based, for non-profit organizations
- Previously worked on a general donation marketplace for nonprofits, an improved class scheduling tool for GT students, a chat bot for Health & Development in Guatemala, and a volunteer management portal for Helping Mamas

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

HONORS

Grace Hopper Scholarship Recipient   **2020 & 2021**
The President's Volunteer Service Award   **3-time recipient**