

Sabrina Nguyen

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EDUCATION

University of Massachusetts Amherst

Amherst, MA

Bachelor of Science in Computer Science

Dec. 2024

Manning College of Information & Computer Sciences

Bachelor of Science in Mathematics – Mathematical Computing Concentration

College of Natural Sciences

Dean's List: Fall 2021, Spring 2022

GPA: 3.683

TECHNICAL SKILLS

Languages: Java, C, JavaScript, TypeScript

Developer Tools: jGrasp, Microsoft Visual Studio Code

EXPERIENCE

Teaching Assistant

University of Massachusetts Amherst

Amherst, MA

Math 104: Algebra, Analytic Geometry and Trigonometry,

Fall 2022, Spring 2023

Math 101: Precalculus, Algebra, Functions and Graphs

Fall 2023

- Assist with the teaching and administration of a large lecture section
- Hold weekly office hours, host exam review sessions, and proctor the course's exams

Peer Advisor

University of Massachusetts Amherst

Amherst, MA

Department of Mathematics and Statistics

Fall 2023

- Assist and help students connect with information and resources on campus
- Hold advising hours in-person and online to meet with students

LEADERSHIP

Society of Asian Scientists and Engineers (SASE)

Sep. 2021 - Present

University of Massachusetts Amherst Chapter

Amherst, MA

- Vice President ('23-Present): Provides support to the President to establish goals, guide leadership pods, and resolve any conflicts. Collaborates with the Treasurer and Fundraising Chair to coordinate budget and fundraising efforts for travel.
- Secretary ('22-23): Responsible for incoming and outgoing emails. Records meeting minutes, creates and organizes documents, spreadsheets, forms, and polls in the SASE Google Drive. Updates e-mailing list as needed and sends out a monthly newsletter.
- Freshman Representative ('21-22): Takes initiative to share ideas and participate in team meetings. Provides help wherever needed and actively communicates with the team.

PROJECTS

Campuswire Analytics | *React, Material UI, Git*

Fall 2023

- Built an analytics dashboard given JSON data of an online forum in which students asked questions to the course staff
- Was a part of the front-end development team and utilized the React and Material UI libraries to create a locally hosted website

Simple Shell | *C++*

Nov. - Dec. 2023

- Worked on a team to create a simple shell with the features: Bash command completion, piping, command history, environment variables, and shell prompt

Image Processing | *TypeScript, JavaScript*

Feb. 2023

- Wrote functions to manipulate individual pixels and their color channels to create new images and formulated assertions tests to thoroughly test the functions