

Sofia Guarisma Ramirez

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EDUCATION

Brown University, *B.A. Computer Science, Sociology*

Providence, RI | **Expected Graduation May 2027**

GPA: 3.8/4.0 **Relevant Course Work:** Interaction Design, Introduction to Software Engineering, Introduction to Object-Oriented Programming, Program Design with Data Structures and Algorithms

Extracurriculars: FullStack@Brown, The College Hill Independent Web Team

Honors: Kessler Scholar, Thrive Scholar, Sidney E. Frank Scholar

TECHNICAL SKILLS

Languages: Java, C++, HTML, CSS, JavaScript, Typescript, React, Shell Script, Python

Tools: Figma, AWS Technologies (Lambda, API Gateway), Postman Services, Google Teachable Machine

Certificates: HTML & CSS (*LinkedIn Learning*), JavaScript for Web Designers (*LinkedIn Learning*)

TECHNICAL EXPERIENCE

Amazon Development Center U.S., Inc., *Software Development Engineer Intern*

New York, NY | May – August 2024

- Designed, developed, and optimized a query tool using **Java** and **Shell Scripting** to streamline billing data analysis by reduction of processing time and increasing efficiency, condensing hundreds of files into concise results.
- Problem-solved project barriers, like unusable libraries and permission issues by finding other paths.
- Presented project status and design weekly to company stakeholders and team members, with a culminating presentation to 80 organization professionals and peers.

Introduction to Software Engineering

Brown University | Fall 2024

StudBud, Typescript, HTML, CSS, Java, React

- Collaborated with a team to develop StudBud, a social application designed to help Brown University students connect with peers based on shared courses, enhancing academic collaboration through profile creation, peer matching, and messaging functionality.
- Developed interactions with Firebase, implementing secure data storage and retrieval for user profiles and messaging, as well as implementing seamless peer matching and directory features based on course enrollments.
- Integrated Clerk for user authentication, ensuring secure login and profile management, while conducting back-end testing to ensure data integrity and a consistent messaging experience.

Introduction to Object-Oriented Programming

Brown University | Fall 2023

Sketchy, Java

- Developed a graphics editing program that enables users to draw and manipulate shapes through various interactions, such as resizing, rotating, and layering. Implemented a Stack-based undo/redo feature.
- Designed a user-friendly interface with functionalities including mouse-controlled shape movement, multi-action commands, and the ability to save and load application's state

Trash To Treasure (T³), *Lead Web Developer*

Miami, FL | February – March 2023

<https://tinyurl.com/TTTsguarism>

- Designed and developed informational website with an embedded AI model using **Google Teachable Machine**, trained on 400+ images, to raise awareness about recycling and composting, offering tools to make the process more accessible.
- Presented project pitch to 50+ audience for ChangeMaker Challenge: Innovative Pitch Competition and made it to the final round.

COMMUNICATIONS EXPERIENCE

Brown University U-FLi Center, *Publicity and Communications Coordinator*

Providence, RI | August 2024 – Present

- Managed the social media presence for the center supporting undocumented, first-generation, and low-income students, with a following of 1.7K followers and an average of 200 likes per post.
- Drafted and sent weekly newsletters to 1.3K subscribers, increasing engagement by 10% to an 83% rate.
- Developed media toolkits and publicity strategies for center events in collaboration with the graphic designer.

First-Gens@Brown *Community Outreach Chair, Event Coordinator*

Providence, RI | February 2024 – Present

- Led initiatives, like mixers promoted for first-year students, to increase membership and engagement for over 120 first-generation college students through diverse pre-professional and social events.
- Coordinated via email and in-person meetings for cross-organization collaborations to foster partnerships and plan events.
- Facilitated community discussions and created inclusive spaces for networking and support by organizing event logistics.