

Sammi Lin

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EDUCATION

Stony Brook University

Stony Brook, NY

Bachelor of Science in Computer Science, Minor in Digital Arts

May 2024

- Leadership: President - Women in Computer Science, Member - Society of Asian Scientists and Engineers, Member - Google Student Developer Club, Member - Rewriting The Code (RTC)
- Courses: Web Security, Data Science, Data Visualizations, Computer Networks, Algorithms, Computer Architecture

EXPERIENCE

Software Engineer Intern

Jun 2023 – Aug 2023

MarketAxess

50 Hudson Yards

- Engineered a full-stack trade receipt interface with TypeScript, React, Redux and AG-Grid.
- Developed REST APIs in Java with Spring Boot for trade cancellation and utilized Redis to reduce load times.
- Retrieved real-time bond pricing data from Apache Kafka topics to enable communication between frontend and backend.
- Designed detailed Figma mockups as a proof of concept for implementing ESG bonds on a new interface by working with the Sales interns and communicating with developers and designers

President, Vice President, Secretary

Mar 2021 – June 2024

Women in Computer Science (WiCS)

Stony Brook, NY

- Structure weekly agendas for an e-board of 12 to manage tasks for each individual and plan both technical and social events for a community of over 100 active members
- Established and maintained relations with 10+ companies (Amazon, MarketAxess, SupplyHouse, etc), Stony Brook's Career Center, and the College of Engineering and Applied Sciences (CEAS)
- Point of contact for collaboration efforts for over 20 CEAS organizations and clubs

Frontend Android Developer

Dec 2020 – Jun 2021

HouseKeeping Payment Solutions (HKP)

Brooklyn, NY

- Developed 20+ screens for a native android application using Java and Android Studio
- Designed user interface functionalities including hamburgers, popup screens, headers, and buttons
- Reviewed screens of other team members for quality assurance

PROJECTS

JEMS | *TypeScript, MongoDB, SwaggerUI, DigitalOcean, Postman*

Sep 2023

- Web app allowing for map creating, editing, and sharing on a community based platform
- Created APIs for querying data between client and server in addition to documenting the endpoints on Swagger using JSdoc
- Designed the edit map screen page using a frontend framework, Mantine

Waffo | *JavaScript, HTML, CSS, VSCode, Git*

Jun 2022

- Developed an anxiety relieving and meditative site that consists of a music player, rain sounds, and a breathing aid
- Designed the UI of the website using Figma and Procreate
- Won an award for the best UI/UX Hack and an honorable mention for the best Music Hack at WaffleHacks 2022

Playlistr | *React, Node, JavaScript, HTML, CSS, VSCode, Git*

Dec 2022

- Developed a Spotify replica with React components that allow users create new playlists to add, delete, and edit songs
- Utilized the YouTube API to embed the video of the song on the site
- Implemented fool proof design to prevent unwarranted actions taken by a user

TECHNICAL SKILLS

Languages: Java, Python, Typescript, Javascript, HTML, CSS

Frameworks: React, Node.js, Express, MongoDB, Drupal8

Developer Tools: Git, Kafka, Redis, Visual Studio Code, IntelliJ, Eclipse, Android Studio, Mars

Other Software: Canva, Figma, Paint.net, Procreate, Adobe Photoshop, Adobe InDesign, Da Vinci Resolve