Brian Shao

Computer Science Student

Education

Stony Brook University
Bachelor of Science for Computer
Science
August 2021 – Present
New York, NY
GPA: 3.69

Course History

Software Development
Data Structure
Foundations of Computer
Science
System Fundamentals I
Programming Abstractions

Awards

(August 2021 – Present)
Presidential Scholarship

Key Skills

Advanced: Java, JavaScript, Bash,
GitHub
Familiar: React, Python, C++,
Haskell, Microsoft Word, Microsoft
Excel

Project

August 2022 – December 2022
Playlist Project for CSE 316 • Creator

- Built a playlist application out of JavaScript, CSS, HTML and demonstrated CRUD operations. Application demonstrated foolproof design principles.
- Built a playlist application using ReactJS and demonstrated CRUD operations. Developed the application using MERN stack. Used MaterialUI for better UI. Used Axios to retrieve/update data in backend. The application demonstrates foolproof design principles and makes use of YouTube player api.

August 2022 - December 2022
RSA Encryption MIPS CSE 220 • Creator

- Implemented RSA encryption in MIPS.
- This encryption algorithm makes use of co-primes, LCM, GCD, Extended Euclidean Algorithm, and modular multiplicative inverses to encrypt and decrypt messages.
- Made use of public and private keys to ensure security of messages.

December 2022 - -----
Project TBD

Work Experience:

Summer 2021
SYEP Intern at College Point DMV

- Worked as greeter in the lobby greeting customers and explaining to customers rules and workflow.
- Worked to ensure that customers have a smooth experience navigating through the different steps at the DMV.
- Translated for the customers (English → Chinese) and assisted with filling out appropriate applications

Summer 2022-Present
Server for Twin Forks Hospitality

- Collaborated to set up tables, decorations, plates for large scale catering events at Bridgehampton beach and surf club.
- Worked in groups to deliver food and drinks to guests in an orderly and efficient manner.
- Ensured guests were able to have a good time by refilling drinks and removing leftovers/trash from surrounding area.