Gurpreeth Singh

Stony Brook, NY gurpreeth.singh@stonybrook.edu (917) 868-2907

https://gurpreeth956.github.io

https://linkedin.com/in/gurpreeth956

https://github.com/gurpreeth956

**OBJECTIVE** Seeking an internship for the Summer of 2020

**EDUCATION** Bachelor of Science in Computer Science, GPA: 3.72, CS GPA: 3.86

Expected May 2021

Stony Brook University, Stony Brook, NY

COMPUTER SKILLS

Languages: Java, SQL, Python, Javascript, HTML, CSS Other: MacOS, Windows, Github, MySQL, Firebase

RELATIVE COURSES Object-Oriented Programming, Data Structures, Foundations of Computer Science, Application Design, System Fundamentals, Principles of Database Systems, Analysis of Algorithms

**EXPERIENCE** 

# KidOYO Certified Mentor

Feb 2019 - Current

Internship where we helped kids learn how to code

- Taught children coding during the summer session in person and graded their work
- Created coding projects in Python, Java, SQL, and Firebase for students to complete
- Designed a course that teaches students about the different types of data structures
- Judge at Hackathons where I reviewed submissions for different coding challenges

Structure Tone Intern Feb - Apr 2016

Internship about engineering plans and their costs

- Estimated costs of structures by looking at their engineering and architecture plans
- Visited construction sites in NYC to view how structures are made based on the plans
- Worked in a team as the group leader to design a presentation on cost estimations

**PROJECTS** 

### eCommerce Website and Database

Mar - May 2019

Website and Database for eCommerce using Flask and SQL

- Transactions on the website update all appropriate tables in the database
- Created different views for employees and customers with appropriate functions
- Employees can add/edit/remove inventory items, view all past customer orders, remove reviews, add/edit/remove discounts, accept/deny returns, and more
- Customers can add items to their shopping cart/wish list, review and return items, change their personal information, view their past orders, and more

#### Windows and MacOS 2D-Game

July - Sep 2018

2-dimensional survival game created using JavaFX and CSS

- Created levels with multiple enemies with animations using inheritance
- Designed a shop area where users can buy different upgrades for the player
- Allowed users to be able to change key controls of the game, like movement
- Game contains a score, coin, health, and a shield system for the player

# Google Firebase Web Chatroom

July - Aug 2019

An online chatroom app created using Firebase and Javascript

- Users can create an account and chat with other users in the chatroom
- Allowed users to change their name, their password, and their profile picture
- Used firebase authentication, the realtime database, and firebase storage

### Simple Online Drawing Application

Jan - Feb 2019

A web page drawing app created using Javascript and HTML

- Allowed users to choose different shapes with different colors to draw
- Implemented functions such as undo, redo, print, copy, paste, and more
- Designed a saving and loading system by using JSON files to store data

INTERESTS

Soccer, Chess, Games, Spanish, Martial Arts, Geography