

ISHIKA SONI

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EDUCATION

SUNY Stony Brook University, *Stony Brook, NY*

Bachelor of Science, Computer Science

Expected May 2024

Relevant Coursework: Data Structures, Discrete Mathematics, Introduction to Object-Oriented Programming, Calculus I & II, Applied Linear Algebra, Digital Intelligence, iOS Development

SKILLS

Languages: Java, Python, HTML, HTML5, CSS, Swift

Software: Figma, Microsoft Word, Microsoft PowerPoint, Microsoft Excel

PROJECTS

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| September 2020 | <p>Train Manager, github.com/issoni/train-manager</p> <ul style="list-style-type: none">• Implemented a linked list to organize train cars for a commercial train.• Users can input the product load's name, weight, value, and if it's dangerous or not.• Gives the user the options to insert and remove cars, add and remove product load in the car, and terminate the program. |
| November 2020 | <p>CreatePoetry, github.com/issoni/random-poetry-generator</p> <ul style="list-style-type: none">• Uses the language analysis and selection tools to try to mimic human construction of poems.• Requires the random generation of words as well as the use of algorithms to analyze the structure of those words to detect and use features such as rhymes and syllables.• Outputs a random poem with 2 stanzas where each stanza consists of 2 lines that have 10 syllables each, then 2 rhyming lines at the end.• Used Natural Language Toolkit library package. |
| November 2020 | <p>Auction Simulator, github.com/issoni/auction</p> <ul style="list-style-type: none">• Implemented an auction simulator using a hash table.• Users can create a new auction, bid on an item, get info on an auction, remove expired auctions, let time pass, and terminate the program. |
| December 2020 | <p>New Year's Twitter-Bot, github.com/issoni/twitter-bot</p> <ul style="list-style-type: none">• Uses the Tweepy Python library package for accessing Twitter's Application Programming Interface.• The interface can tweet, reply to a tweet, media tweet, retweet, count retweets and re-tweeters, and get timelines of users.• A daily countdown bot that posts daily status updates for the upcoming new year. |
| February 2021 | <p>Flixster, github.com/issoni/Flixster</p> <ul style="list-style-type: none">• A movie browsing app, like Fandango and Rotten tomatoes, that lets a user view and scroll through a list of movies.• Created a network request to fetch data from the web via The Movie Database API. |