Samuel Shulman

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Linkedin
github

Education

Yeshiva University, Yeshiva College, New York, NY
Bachelor of Science in Computer Science, Distributed Systems Track, 05/2025
GPA: 3.5
Course Work: Introduction to Computer Science, Linear Algebra, Data Structures, Math for CS, Algorithms, Computer Organization, Industrial Software Engineering

Yeshivat Reishit Yerushlayim, Beit Shemesh, Israel
Study Abroad Program, 08/2019 – 06/2021

Experience

Search Engine, Yeshiva University
Spring 2022
- Implemented a HashTable using separate chaining to build an in-memory storage system
- Created a Stack to support undo functionality to either undo the last action or a specific action
- Built a Trie to add keyword search capability
- Implemented a min Heap to track document usage
- Created a BTree to write documents to disk if the memory limit was surpassed

Automated Course Registration System, Personal Project
March 2022
- Helps students not get locked out of their desired classes by registering for them as soon as registration opens
- Utilized the JavaScript library Puppeteer to automate typing, clicking and form submission

Doom Video Game, Yeshiva University
Fall 2021
- Recreated the backend of Doom video game
- Formulated recursive methods to check if the player can pass a given level
- Applied object-oriented programming concepts and created Junit tests to debug

Linear Algebra Calculator, Personal Project
January 2022
- Developed a calculator that handles several common linear algebra problems
- Implemented what was taught in class to code using Java
- Problem solved by breaking down bigger problems into smaller steps

Skills

Programming: Java, Python, JavaScript

Frameworks: Junit, Node.js, Git, GitHub, Maven, Visual Studio Code, IntelliJ IDEA

Languages: Hebrew