

Samuel Shulman

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[My Website](#)

[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 – 06/2020

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 complete undo functionality
- 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 gain admission to 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 In Java that handles several common linear algebra problems
- Created step-by-step design to break down project into individual parts

Skills

Programming: Java, Python, JavaScript

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

Languages: Hebrew