

Samuel Shulman

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[My Website](#)

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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

Experience

Elite Managing - CRM, Yeshiva University

Summer 2022 - In Progress

- Businesses can issue membership badges which are stored in AWS S3 buckets
- Customers have a “wallet” where they can view the badges they own
- Created two Dynamo DB tables to store customer and business data
- Implemented AWS Lambda functions and API Gateways for the front-end to interact with the back-end
- Hosted the web app on AWS Amplify

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(ImIn), 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
- Used React to build the front end
- Leveraged AWS Lambda and Cognito to build the back end
- Integrated the Stripe SDK to enable payments

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 the project into individual parts

Skills

Programming: Java, Python, JavaScript

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