

Yaakov Baker

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EDUCATION

Yeshiva College, Yeshiva University, New York, NY

Expected Graduation: May 2024

Bachelor of Science in Computer Science, specializing in Distributed Systems

Cumulative GPA: 3.75

Relevant Coursework: Intro to Computer Science, Calculus I, Data Structures, Mathematics for Computer Science, Linear Algebra, Computer Organization & Assembly Language Programming, Intro to Algorithms

Extracurricular Activities: HackerRank Club; YU's ACM Chapter; Engineering Club; Zoology Club

Study Abroad: S. Daniel Abraham Israel Program, Jerusalem

September 2019 - May 2020

TECHNICAL SKILLS

- Proficient: Java, Python, Git, GitHub, Maven, Junit
- Intermediate: C, HTML/CSS, JavaScript, Cryptography
- Familiar: SQL, AJAX, jQuery

PROJECTS

<https://github.com/YaakovBaker/Projects.git>

- **Array-Based Spreadsheet:**
 - Built in Java, the spreadsheet is constructed by passing in arguments into the *CellSpreadSheet* constructor specifying the row and column size. Afterwards the client can call methods to populate the spreadsheet and print it out in CSV format with either formulas shown or calculated.
- **Doom Video Game Simulation:**
 - Built in Java, the final project for Intro to CS was my favorite assignment from intro. Given a player, we had to simulate their journey through a set of rooms and monsters within those rooms. Dealing and taking damage and collecting items as rewards for room clears. This simulation could be performed with multiple players.
- **Document Storage System:**
 - Built a Document Storage System with Java in Data Structures. It utilized various Data Structures we learned about in that course: Trie (searching by word or prefix for a document), Stack (undo actions like deletes and puts), Heap (last use time of the document), BTree (storage of documents in memory or on disk depending on last use time).

WORK EXPERIENCE

The Home Depot, Cashier, Norwood, MA

June - August 2021

- Managed the cash wrap, promoted the store's credit card and assisted customers with exchanges.
- Assisted customers with their shopping experience and safeguard against shoplifting.

Borderland State Park, Intern, Easton, MA

December 2018 - March 2019

- Worked with Park Rangers in ensuring the visitor center, Ames mansion, and the state park were presentable, clean and safe for visitors.
- Transcribed and archived the diaries of the historic estate's original owner, Oakes Ames, to aid a researcher in digitizing and preserving those diaries.

LEADERSHIP

- Engineering Club, Even Planner, and Project Leader November 2021 -
 - Planning events and assisting in the growth of the club and engineering at our university.
 - Co-lead with another project leader to assist other students in an engineering project.
- Zoology Club, Vice President of WhatsApp Group Management and Event Logistics November 2021 -
 - Manage the WhatsApp group chat by making sure there is activity by posting animal related facts, notifying people of events, and moderating the chat.
 - Planning events and working out the details of events.
 - Creator and manager of the club's google photo's account.