

Joshua Katayev

(347) 755-9166 | josh@katayev.io | linkedin.com/in/joshkat | github.com/joshkat | katayev.io

Education

Queens College, City University of New York, GPA: 3.79

Queens, NY

Bachelor of Arts in Computer Science

Expected May 2024

Honors and Awards: Dean's List Academic Excellence & Presidential Scholar Fall 2020 – Fall 2022

Relevant Coursework: Data Structures and Algorithms, Internet & Web Technologies, Theory of Computation

Projects

Fitness Tracker WebApp | *JavaScript, HTML, CSS*

December 2022

[Live Preview](#) | [Code](#)

- Designed and developed a mobile facing webapp using vanilla JavaScript which allows users to track training sessions using both premade templates and user creatable/customizable ones
- Created web scraper to curate 200+ movements from bodybuilding.com for use within custom templates along with providing instructions for each movement
- Utilized Firebase as a backend

Sorting Algorithm Visualizer | *JavaScript, HTML, CSS*

October 2022

[Live Preview](#) | [Code](#)

- Fully designed and created a vanilla JavaScript app which visualizes popular array sorting algorithms
- Implemented various sorting algorithms, including bubble sort, selection sort, merge sort, quick sort, and heap sort
- Enabled users to adjust the sorting speed dynamically in order to visualize the algorithm speed change in action to better understand how they work

Personal Website | *JavaScript, HTML, CSS*

August 2022

[Live Preview](#)

- Designed and developed a personal website that simulates the experience of using a bash terminal, complete with authentic-looking prompts to host full portfolio of projects and personal information

Command Line Card Game | *C++*

August 2021

- Developed a fully functional one on one command line version of the classic Russian card game Duraka
- Utilized object-oriented programming concepts such as inheritance and polymorphism to implement game logic, as well utilizing the Fisher-Yates algorithm, to shuffle the game's customizable deck of cards.

Professional Experience

Calculus Tutor

September 2021 – Present

Ezra Academy

Queens, NY

- Utilized various teaching techniques to effectively convey mathematical concepts to a diverse group of students
- Improved student understanding and performance, resulting in an average class grade point increase of 10 points by the end of their respective terms

Hebrew Language Teacher

Aug 2019 - Mar 2020

CHAZAQ Offices

Queens, NY

- Volunteered to teach a small group of 10 how to read and write in Hebrew using ACTFL standards
- Brought entire group up from ACTFL Novice to Intermediate level
- Taught basic grammatical concepts along with supplementing students with real world literature to improve modern Hebrew understanding

Technical Skills

Languages: JavaScript, HTML/CSS, Java, C++

Developer Tools: Git, GitHub, Webpack, Firebase, VSCode