

Ali Khachab

Contact me at: <https://aliikhachabportfolio.vercel.app/> | <https://www.linkedin.com/in/aliikhachab/> | <https://github.com/AliKhachab>

EDUCATION

New York Institute of Technology – Senior Year | B.S. in Computer Science (GPA: 3.91/4.00, President's Honor Roll)
Bard College | A.A. in Liberal Arts and Sciences (GPA: 3.6/4.00)

Relevant Coursework

Calculus 1-3, Object Oriented Programming, Computer Organization and Architecture, Data Structures, Operating Systems, Statistics and Probability, Computer Networks, Artificial Intelligence 1, Database Management, Internet Programming, Introduction to Software Engineering

SKILLS

Programming: Java, Python 3, .NET, HTML/CSS, SASS, JavaScript, TypeScript, PHP, React, React Native, C#, XAML, WPF3, Photoshop

EXPERIENCE

InterSoft Associates – Software Engineering Co-op

June 2024 - December 2024

- Refactored and migrated legacy code from Basic into WPF, improving UI/UX with XAML and performance with C#.
- Improved and optimized SQL stored procedures and queries to allow for more dynamic calls to databases.
- Collaborated with team members to ensure smooth transition from legacy to modern code, maintaining data integrity.

NYC Sustainability Research Project – UREP

October 2023 - June 2024

- Conducted 4 literature reviews on NYC Open Data's significance on programming and influence in New York State.
- Contributed frontend updates to the interactive map website and assisted teammates in setting up updates for the backend Flask server.
- Presented our map website in a schoolwide entrepreneurship presentation, demonstrating functionality of our product.

PROJECTS

FocusFlow - ReactNative, TypeScript, Firebase

Finished May 2025

- Led a team of 6 and developed a fully functional full stack cross-platform mobile task manager app that efficiently tracks user tasks using Firebase for auth and data storage, including using agile principles; designing ERDs, DFDs, and UCDs; and presenting the app.
- Designed 6 screens, programmed Firebase database to hold user data/handle logins, and built controller functionality.

Quiz Website Final Project - PHP, HTML/CSS, MySQL

Finished June 2025

- Led a group of 3 in designing and developing a full-stack quiz web application, using PHP/HTML/CSS for frontend and MySQL for backend. Designed and programmed the backend as well as linked backend to frontend.
- Users can solve 10 questions for 2 different quizzes and see what they got right/wrong, as well as compare scores on a leaderboard to other users. Questions/answers are stored in the database.

Hustler - React, TypeScript, MongoDB, Plaid, D3JS

April 26th-27th, 2025

- Developed and demoed a web application for DragonHacks11 at Drexel University, an income/expenses visualizer for gig employees (i.e. Uber drivers) using React for components and D3JS for visualizing relationships between spending and income.
- Developed numerous front-end components and screens for easy and quick interaction, such as using Auth0 for login/registration and Plaid for linking user data to their bank account(s).

TrekBag - HTML/CSS, JavaScript, React

Finished April 2025

- Built a modern web application which allows the user to organize a list of things they would need before they go on a trip, using Zustand to persist data through local storage and separate functions from the DOM.

And more, which can be found on my portfolio website and GitHub linked above.

AWARDS AND ACHIEVEMENTS

Capture the Flag Hackathon at NYIT – 2nd place

March 1st, 2024

President's Honor Roll – All semesters attended