

Ali Khachab

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EDUCATION

New York Institute of Technology (NYIT) Bachelor of Science in Computer Science

GPA: 3.91/4.00

NSF FASTRAC Scholar

Presidential Honor List

All semesters attended

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, WPF

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

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).

FocusFlow - ReactNative, TypeScript, Firebase

Finished May 2025

- Cooperated with teammates to build a fully functional full stack cross-platform mobile calendar app that efficiently tracks user tasks using Firebase for auth and data storage. Handled making Firestore database, routing, screens, and frontend design.

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

Finished June 2025

- Led a group of classmates in designing a full-stack quiz web application for our Internet Programming (ITEC305) final, using PHP/HTML/CSS for frontend and MySQL for backend to store quiz data, leaderboard information, user auth info, etc.

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.

rmtDev - HTML/CSS, JavaScript

Finished January 2025

- Developed a JavaScript web app which simulates a job search site that allows remote developers to search, bookmark, paginate, and sort through job listings. Used webpack to compile into a smaller file size for all users.

CorpComment - HTML/CSS, JavaScript

Finished January 2025

- Programmed a forum app that uses JavaScript for easy filtering of posts to get easy information about companies.

AWARDS AND ACHIEVEMENTS

Capture the Flag Hackathon at NYIT – 2nd place

March 1st, 2024