

# AARON PATEL

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## EDUCATION

**University of North Carolina at Chapel Hill** - Chapel Hill, NC  
*B.S. Computer Science; Minor Data Science*

Dec 2025

- GPA: 3.73
- Relevant Coursework: Data Structures & Algorithms, Programming Foundations, Discrete Mathematics, Intro to Programming, Calculus I,II,III

## TECHNICAL SKILLS

**Frontend Languages + Technologies** | JavaScript, TypeScript, HTML/CSS, TailwindCSS, DaisyUI

**Backend Languages + Technologies** | Java, Python, Node.js, SQLite, Prisma

**Frameworks + Deployment** | React, Flask, Remix, Django, Vercel, Fly.io

**Developer Tools** | Git, npm, PowerShell, cmd.exe, Docker

## EXPERIENCE

**J.P. Morgan Chase & Co. Software Engineer Virtual Experience** | Forage

Sep 2023

- Set up a local dev environment by downloading necessary files, tools, and dependencies
- Fixed broken files in a J.P. Morgan Chase application repository to make web application output correctly
- Used J.P. Morgan Chase's open-source library, Perspective, to generate a live graph that displays a data feed in a clear and visually appealing layout for traders to quickly visualize and monitor

**Director of Technical Operations** | **Future Medical Professionals** | Charlotte, NC

Jun 2021 - Nov 2021

- Used JS & HTML to write scripts that extracted .docx contents and applied them to a design template to automate Instagram post creation
- Created supplementary JS scripts to perform basic tasks, i.e. sending out newsletters, adding members to the club registry, scheduling Instagram post times, etc.
- Ensured a more seamless user experience on the FMP website, increasing user activity from 500 monthly visits to 950

## TECHNICAL PROJECTS

**Chromatify** | **Personal Project**

Jun 2023 - Jul 2023

React | JavaScript | HTML/CSS | Spotify Web API | Vercel

- Developed a frontend application using the React framework that provides abstract insights about Spotify users' music tastes
- Utilized the Spotify Web API to extract user listening data, manually implementing OAuth 2.0 authentication to securely handle user logins and authorize data retrieval
- Integrated supplementary APIs to extract colors from album covers, provide unique color names, etc.

**Dynamic Personal Portfolio** | **Personal Project**

Sep 2023

Remix (React + TypeScript + Node.js) | Prisma | SQLite | TailwindCSS + DaisyUI | Fly.io

- Configured an SQLite database using Prisma to securely store and retrieve project information and files that are displayed on the website
- Defined an API route that extracted database contents when accessing in frontend TypeScript code
- Used TailwindCSS and DaisyUI components to construct a visually appealing website interface

**CS MentorBot** | **Personal Project**

Jul 2023

Flask | Python | JavaScript | HTML/CSS | OpenAI API | Vercel

- Developed a specialized, full-stack chatbot that answers computer science-related questions to effectively mentor computer science students
- Implemented code for response retrieval and performing moderation checks as required to ensure smooth communication with OpenAI API
- Created API endpoints in a Python backend to ensure functionality when accessing the chatbot API in frontend JavaScript code

**Instabat** | **Personal Project**

Jun 2023

JavaScript | HTML/CSS | Chrome DevTools | Instagram Graph API

- Manually configured popup.js, popup.html, and manifest.json files to construct an executable extension in Chrome DevTools' extension interface
- Utilized the Instagram Graph API to extract current user followers and followings lists, ensuring an accurate and up-to-date list of "unfollowers"

## LEADERSHIP & EXTRACURRICULARS

**CS + Social Good** | Chapel Hill, NC | *Project Team, Education Team*

Jan 2023 - Present

- Collaboratively worked on a development project for *Compass*, a non-profit organization that promotes empowerment through compassionate, free support services (prevention, crisis, long-term self-sufficiency)
- Learned the process of software development and implemented project source code using React + JavaScript + HTML/CSS

**UNC Dostana** | Chapel Hill, NC | *Secretary of Event Planning*

Oct 2022 - Jan 2023

- Executed initiatives to raise attendance for Dostana's Red Carpet Party, attracting 100+ students through social media and in-person interactions
- Retrieved and handled documents from external organizations accordingly during the event planning process