AARON PATEL

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EDUCATION

University of North Carolina at Chapel Hill - Chapel Hill, NC **Dec 2025**

B.S. Computer Science; Minor Data Science

- 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, Render, 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 | Render

- Configured an SQLite database using Prisma to securely store and retrive 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