

Spencer Anderson

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Education

Tufts University

BS in Computer Science Candidate

GPA: 4.0

Relevant Courses: Data Structures, Machine Structure & Assembly-language Programming, Linear Algebra, and Web Programming

Expected grad May 2028

Stuyvesant High School

High School Diploma

GPA: 4.0

Sept 2020 - June 2024

Skills

- Languages: (proficient) JavaScript, HTML, CSS, (intermediate) C++, Python
- Version Control with Git and Github
- Tools: React, MongoDB, Node.js, and Tailwind CSS
- User Experience Design

Experience

JumboCode

Developer

Medford, MA

October 2024 - May 2025

- Developed teaching website for a non-profit, which enabled students to enroll in classes and teachers and admins to manage students and classes
- Contributed to the development of dynamic web applications using **React**, **HTML**, **CSS**, and **JavaScript**.
- Collaborated with a team of 10 developers in implementing Git-based version control.
- Created and maintained a **MongoDB** database to store and manage dozens of user's data.
- Designed robust backend structures using Node.js and MongoDB, facilitating seamless data communication between the server and frontend.

JumboHack Hackathon – Tufts University

Winner – Down the Rabbit Hole Track

Medford, MA

March 2025

- Built **TuftsAdvisor**, an Outlook plugin and chatbot that streamlines academic advising.
- Implemented a Retrieval-Augmented Generation (RAG) system with **Python**, **Flask**, and **Microsoft Graph API** to draft advisor email responses automatically.
- Developed a React-based student chatbot interface for real-time academic policy guidance.
- Collaborated with a 6-member team to deliver a fully functional prototype within 48 hours.