John Russo

https://github.com/JRusso64

Education

September 2021 - December 2024

Rutgers University, New Brunswick, NJ– *B.S. Computer Science*

Skills

Javascript, Java, C, Python, Docker, HTML5/CSS, Git/Github, MongoDB, SQL, Object-Oriented Programming

Relevant Coursework

Computer Architecture, Systems Programming, Design and Analysis of Computer Algorithms, Data Structures and Algorithms, Internet Technology, Principles of Information and Data Management

Experience

June 2024 - August 2024

Memorial Sloan Kettering — Bioinformatics Software Engineer Intern

- Developed a FastAPI-based API to centralize and visualize patient test results for enhanced clinical insights.
- Integrated Neo4j graph database for efficient storage and querying of patient test data relationships.
- Built a dynamic frontend using React, providing intuitive user interfaces for medical professionals.
- Containerized the entire application stack (API, React app, and database) using Docker for seamless deployment and scalability.

May 2022 - May 2024

Rutgers OIT — IT Consultant

- Assisted students and faculty with Rutgers services with over the phone support as well as in person.
- Consulted with users, management, vendors and technicians to assess computing needs and system requirements.
- Participated in ongoing training to enhance my own job skills and knowledge.

Extracurricular

HackRU First Place -

I led my team in creating a groundbreaking ASL teaching tool that utilizes machine learning to ensure accurate letter formation. Our success at HackRU showcases my collaborative abilities and results-driven mindset in a fast-paced environment.

Projects

Forum -

Built a full-stack web app to allow users to create posts on a forum. Users are able to register and login as well as create comments on other users' posts.

Personalized Text Messenger-

Nodejs server that utilizes the twilio api to send personalized text messages to the user. Users are asked to set up a profile which is saved in a database. The user is able to answer questions about how they are feeling and receive personalized responses.

AI Sign Language Interpreter-

A python app that uses a neural network trained on data that I collected. It can accurately predict what letter the user is signing using ASL. This app allows for users to spell out words letter by letter and the application checks to see that the user is doing so correctly.