

Shaoyu Chen

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RELEVANT PROJECTS

Then Auticalnine | Full Stack Engineer | Remix, TailWind, Auto Ai, MapBox, PostgreSQL

Jul '24

A cruise Booking System

- Utilized Remix and TailWind CSS to create a dynamic cruise booking System.
- Enhanced user experience significantly by implementing **interactive maps** for each cruise route and developing a comprehensive booking system through API integration
- Integrated 2-factor authentication to prevent bot attacks and ensure the integrity of the website
- AI Chat Assitance able to answer any questions you may have for cruise booking

Huskey Helper Shopping System | Front End Engineer | Html5&CSS3 JavaScript, React, Node.js, Axios, Aws

Jul '24

A E-commerical shopping system Front End Design

- Designed and developed reusable React components utilizing React Hooks to build a scalable front-end architecture
- Streamlined HTTP requests to backend services using Axios to boost data retrieval efficiency in conjunction with Node.js and RESTful APIs, leveraging **async programming capabilities for enhanced performance**

Huskey Helper Shopping System | Full Stack Engineer | Express, Node.JS, AWS, Nginx, PostgreSQL, AWS

Jul '24

A E-commerical shopping system Backend Development

- Enhanced website speed by 30% and optimized traffic flow by implementing **Nginx for load balancing across two backend servers**, reducing response time and boosting traffic capacity to ensure consistent server performance
- Enhanced PostgreSQL query performance by applying advanced indexing strategies, incorporating **partial and multi-column indexes**, resulting in a notable 50% enhancement in response times
- Implemented **MVC format** for server setup using Node.js and React to streamline problem identification and maintenance processes

PROFESSIONAL EXPERIENCE

College of Staten Island | Professor Assistant

Aug '20 - Dec '20

- Revamped course materials and developed interactive exercises with a colleague, resulting in a 25% increase in student engagement and a 15% improvement in exam scores, while also facilitating a collaborative learning environment and teaching a comprehensive C programming curriculum.

College of Staten Island | Computer Science Tutor

Apr '18 - Dec '19

- Provided personalized tutoring to over 5 students in Java, C++, HTML, and JS, aiding in their successful assignment and project completions, and used pseudo-code to clarify advanced computer science concepts, significantly improving their analytical and problem-solving skills.

EDUCATION

Master of Business Analysis, Baruch College

Aug '22

Certificate in Advanced Software Engineering, Hack Reactor

Jul '24

Master of Computer Science, College of Staten Island

Aug '19 - Dec '20

Bachelor of Computer Science, College of Staten Island

Aug '15 - May '19

TECHNICAL SKILLS

Programming Languages: JavaScript, C++/C, Java, Python, MongoDB, PostgreSQL, MYSQL, HTML, CSS, Node.js,

Develop Tool: Git, feature branch workflow, AWS (EC2), React

Fundamentals of Computer Science: Data Structures, Algorithms, Object-oriented design, System Design