Jiaxi Chen

Software Developer

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EDUCATION

University of Michigan   Ann Arbor, MI
Master's degree, Data Science (GPA3.7)   *Aug 2020 – Dec 2021*

UC Santa Barbara   Santa Barbara, CA
Bachelor's degree, Physics (GPA3.7)   *Sep 2016 – May 2020*

PROJECTS

Sneat Dashboard | *React, MongoDB, Express, Node.js, Heroku, AWS S3*   Aug 2024 – Sep 2024
- Developed a user authentication functionality using MongoDB, Express, Node.js and bcrypt for secure password storage and validation.
- Implemented data analytics and visualization features using ECharts, MongoDB, and Express, enabling users to visualize complex datasets dynamically.
- Integrated a dynamic calendar using FullCalendar library and Material-UI, allowing users to add, update, and view events in a seamless interface.
- Built a real-time chat application utilizing Socket.IO for WebSocket communication and MongoDB for storing chat history and messages.
- Managed user profiles, including photo uploads and updates, by incorporating AWS S3 for file storage and MongoDB for managing user data.
- Enabled full dark mode/light mode switch across the application for improved user experience in different environments.

Salinaka Ecommerce | *React, Redux, Firebase, Material UI, Git*   Jul 2024 – Aug 2024
- Built an e-commerce web application using React and React Router DOM to ensure seamless navigation across multiple pages.
- Utilized Redux for state management, implementing product filtering and cart functionalities.
- Secured user authentication using Firebase, ensuring a safe login.
- Integrated Material-UI to enhance the aesthetic appeal and ensure mobile responsiveness, providing users with a smooth and visually pleasing experience.

Covilla Travel | *Javascript, HTML, CSS, Swiper.js*   Jun 2024 – Jul 2024
- Developed a fully functional and visually appealing tourism website that enhances user experience through dynamic contents.
- Implemented animations, sliding galleries, and interactive features such as font scrolling, navbar transitions, and collapsible sidebar using JavaScript and CSS.

EXPERIENCE

Huawei   May 2022 – Sep 2023
Network Design Engineer   *Mexico City, Mexico*
- Led 10+ designs of fiber-optic networks to help clients efficiently plan optimal infrastructure layouts.
- Collaborated with the client to provide network deployment plans based on regional maps and user distribution data.
- Coordinated with the development team in China to resolve 100+ issues during field tests and real-world construction, utilizing project management and issue-tracking tools to ensure timely identification and resolution of technical challenges, improving system performance and deployment efficiency.
- Successfully implemented an automated network planning tool, which optimized network deployment and increased customer base by 50% while reducing costs by 20%.

TECHNICAL SKILLS

Languages: JavaScript, Python, MySQL, HTML/CSS
Frameworks: React, Redux, Node.js, Express, Jest, Material-UI
Developer Tools: Git, Heroku, AWS S3, Firebase, Vercel
Libraries: MongoDB, Socket.IO