NINGXIAO CAO

(612) 229-7627   ningxiaocao@gmail.com   [LinkedIn](#)   [Github](#)

SKILLS

JavaScript, Ruby, PostgreSQL, SQLite, MongoDB, Mongoose, React, Redux, HTML5, CSS3, Sass, Ruby on Rails, Webpack, Express, Git, Heroku, AWS, Figma, Sketch, Adobe XD, Adobe Creative Suites

PROJECTS

Interest-In | *(Ruby, Rails, React, Redux, JavaScript, PostgreSQL, AWS S3)*   **live | github**
Pinterest clone
- Optimized database usage and eliminated N+1 queries by observing SQL and Active Record best practices.
- Implemented custom back-end and front-end user authentication by combining Rails conventions, Active Record, customized React-Router higher order components and Bcrypt using hashing function.
- Designed dynamic modals using React component architecture and incorporated with React-Redux cycle for efficient development of pins' CRUD functionalities.
- Implemented a search function that queried the database on each keystroke for an effortless and intuitive search experience.
- Integrated Rails back-end with AWS S3 for media storage and organization while maintaining content security with AWS IAM.

SCENE | *(React/Redux, MongoDB, Node.js, Express.js)*   **live | github**
A social networking platform that leverages API calls to facilitate users in exploring fresh movies and fostering new connections
- Collaborated with 3 software engineers using git workflow to design CRUD functionalities for user-auth, ratings, comments, and events.
- Initiated a responsive design approach and ensured seamless translation of user interface and user experience (UI / UX) designs into functional React components.
- Integrated third-party libraries and plugins such as Passport.js, Google Map API, and TMDB API to build a robust website.
- Designed a chat bot using Google Bard to provide better customer support experience.

Where We Came From and Where We went? | *(Javascript, D3.js, US Census API)*   **live | github**
An interactive data visualization of post COVID US state-to-state migration flow
- Implemented an asynchronous/await function to load and parse data fetched with US Census API.
- Utilized D3.js to implement a dynamic chord dependency diagram that enabled users to explore and analyze migration trends over time more intuitively.
- Incorporated encapsulation and inheritance in Object Oriented Programing for a cleaner architecture and effortless scaling.

EXPERIENCE

Product Designer (Probono)
Pickle (pickle.ai)   Sep 2022 - Jan 2023
- Collaborated with product designers and software engineers for the video import and account planning feature to ensure designs are technically feasible and implemented effectively.
- Created and validated designs through sketching, frameworks, prototypes, and testing.

Landscape Designer / Project Manager
SWA-Group Landscape Designer/ Project Manager   Apr 2021 - Jan 2023
- Led 3 landscape designs of public and private multi million dollar developments with a group of 3 landscape designers.
- Monitored project timelines, budgets, resources, and actively communicated with developers for quality and timely delivery

EDUCATION

AppAcademy - *Immersive software development course with focus on full stack web development. 2023*
Springboard - *UX Design Career Track mentor-led UX design intensive and completion of in-depth portfolio projects. 2021-2022*
University of Pennsylvania - *Master of Landscape Architecture, 2013-2016*
University of Minnesota - *Bachelor of Environmental Design, 2009-2013*