

Chris Menke

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EXPERIENCE

Seminaut Inc

Remote

Full Stack Web Developer (Intern)

February 2023-Present

- Modularized codebase to improve readability (React.js & Python/Flask)
- Implemented backend validation to keep data consistent across model instances

Hack for LA

Remote

Full Stack Developer (Volunteer)

January 2023-Present

- Reviewed and tested other engineer's code to ensure it was ready to be merged into codebase
- Contributed to GitHub Actions CI/CD pipeline to preform proper code checks before integration/deployment

ACCO Engineered Systems

Pasadena, CA

Design Engineer/Project Engineer

July 2021-November 2022

- Coordinated with other trades, engineers, subcontractors and customers to solve problems and ensure project quality and timeliness
- Optimized existing systems to preform with higher efficiency

WEB DEVELOPMENT PROJECTS

Instagram Clone

- Designed fully functional Instagram Clone with a React.js, Ruby on Rails and SQL
- Utilized google firebase for image storage
- Implemented photo cropping functionality

Twitter Clone

- Developed a fully functional Twitter clone with a React.js frontend and a Node/Express backend using MongoDB.
- Provided user authentication with Twitter OAuth and Passport.js using JWT
- Wrote modern, asynchronous JavaScript to ensure seamless API calls
- Improved user readability using Font Awesome Icons

Chess

- Programmed Chess in Ruby for players to play against each other or computer
- Created Classes/Modules with Object Oriented Programming in mind to maximize reusable code
- Wrote algorithms to verify if a player had been checked/checkmated and tested with Rspec

Snake Game

- Built the classic snake game in React.js (tested with Jest) and allowed high scores to be saved with a Rails API using PostgreSQL.
- Leveraged React Router to allow navigation between multiple pages on the site

EXPERIENCE WITH:

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|-------------------------|-------------------------------|
| • Semantic HTML | • Responsive CSS |
| • JavaScript/TypeScript | • React.js |
| • Node.js/Express.js | • Ruby/Ruby on Rails |
| • MongoDB | • SQL (PostgreSQL) |
| • Python/Flask | • Git |
| • RESTful APIs | • Google Firebase |
| • Jest | • Rspec |
| • Pytest | • Webpack |
| • MATLAB | • Engineering Equation Solver |

EDUCATION

California Polytechnic State University, San Luis Obispo

San Luis Obispo, CA

Bachelor of Science in Mechanical Engineering

June 2021

Cum Laude

GPA: 3.64