MATTHEW HACKMANN

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EDUCATION

University of Missouri   Dec 2022
Bachelor of Science in Computer Science (3.67 GPA)   *Columbia, MO*

EXPERIENCE

Volunteer Web Developer   Dec 2023 – Present
P&H MGMT LC   *Troy, MO*
- Developed a queue management system for a local license office with React.js, TypeScript, ASP.NET, and MySQL
- Built minimum viable product within a 4 month time frame using rapid application development principles
- Used React.js, Tailwind CSS, and mobile first design practices to develop a performant, responsive, and accessible UI
- Collaborated with end-users throughout all stages of the software development lifecycle, gathering requirements and facilitating feedback sessions on prototypes and Figma wireframes
- Formulated unit tests with Vitest and React Testing Library, effectively increasing detection of bugs and regressions
- Configured CI/CD pipeline with Github Actions, automating tests, Docker builds, and container deployments

PROJECTS

Online Cookbook | *recipereaper.com*
- Independently designed a web application for managing a virtual cookbook
- Leveraged modern React design patterns, including hooks, render props, and higher order components, along with the React Router, Material UI, and React Hook Form libraries to build a responsive UI
- Developed a REST API using Node.js and MySQL to serve JSON data to frontend and authenticate users
- Utilized Git version control software for feature branch workflow, enabling quick rollbacks and streamlined versioning
- Enhanced site branding and personality by designing custom vector art with Adobe Illustrator

Arcade Game
- Assisted in planning, documenting, developing, and testing of a multiplayer fighting game built with Unity and C#
- Applied agile workflows, regularly contributing to problem solving and debugging efforts in standup meetings
- Effectively communicated technical concepts and challenges to stakeholders in meetings and presentations
- Distinguished by its quality and creativity, the project received notable recognition from the professor and engineering advisory board, and was selected for a special presentation, and as a showcase project for future students

Social Media Site
- Produced a full-stack social media web application, successfully exceeding course project requirements
- Used vanilla JavaScript, HTML, and CSS, to craft a visually appealing and intuitive user interface
- Hosted application with Amazon Web Services (AWS), utilizing services such as EC2 and RDS
- Built application backend with PHP, MySQL, and Apache Web Server running on Linux operating system

SKILLS

Languages: TypeScript, JavaScript, HTML, CSS, C#, MySQL
Frameworks: React.js, Node.js, Tailwind CSS, Vitest, Jest
Tools: Git, Docker, AWS, Figma, Adobe Suite
Libraries: React Testing Library, Material UI, React Hook Form