

# MATTHEW HACKMANN

mhackmann13@icloud.com | github.com/mhackmann18

## EDUCATION

---

### University of Missouri

Bachelor of Science in Computer Science

- 3.67 GPA, Graduated Cum Laude with Honors Certificate, Dean's List 2018-2022

Dec 2022

Columbia, MO

## EXPERIENCE

---

### Volunteer Web Developer

P&H MGMT LC

Dec 2023 – Present

Troy, MO

- Developed a queue management system with React.js, TypeScript, .NET, C#, and MySQL, enabling a license office to automate checking in customers, managing waiting lists, and storing service records
- Collaborated with end-users throughout all phases of the software development lifecycle by gathering requirements and collecting feedback on prototypes, ensuring a product that aligned with business needs
- Utilized Jest with React Testing Library to formulate and maintain comprehensive unit tests, increasing app reliability
- Used Tailwind CSS and mobile first design practices to develop an intuitive, responsive, and accessible UI/UX
- Configured CI/CD pipeline with Github Actions, automating tests, Docker builds, and container deployments

## PROJECTS

---

### Online Cookbook | [recipereaper.com](https://recipereaper.com)

Mar 2023 – Sep 2023

- 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

Jan 2022 – Dec 2022

- 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

Aug 2020 – Dec 2020

- 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, Jest

**Tools:** Git, Docker, AWS, Github Actions, Figma, Adobe Suite

**Libraries:** React Testing Library, Material UI, React Hook Form