MOHAMMAD PASHA KHOSHKEBARI

Full-Stack Web Developer

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SUMMARY

As a highly skilled full-stack developer with a passion for leadership and problem-solving, I am dedicated to utilizing my technical abilities to drive positive change and make a difference in my community. With a strong background in programming and a strong desire to learn and grow, I am constantly seeking new challenges and opportunities to improve my skills and contribute to the success of my team.

WORK HISTORY

Manage: Team Management

Summary:

- Developed Manage, a web app that streamlines team hour tracking and communication
- Features include hour tracking, social media connectivity, and advanced member data security controls
- Enhances team efficiency and productivity through its comprehensive and user-friendly features

Code: https://github.com/HOPE028/Manage2

Stack: React.ts, TypeScript, Node.js, Express.js, JavaScript, HTML5, CSS3, Firebase Authentication, Firestore Cloud, React Router

Oak Lawn Child Care Waitlist

Summary:

- Developed a responsive and visually appealing childcare website with a feature-rich waitlist application using firebase authentication
- Implemented user registration for parents, allowing them to easily add their children to the waitlist and view/edit their information
- Enhanced user experience by providing parents with access to their child's waitlist order and center information through their personal account
- Supported 100 parents daily, providing services for over 150 children.

Code: https://github.com/HOPE028/waitlist

Stack: React.js, JavaScript, HTML5, CSS3, Firebase Authentication, Firestore Cloud, React Router

PERSONAL PROJECTS

Othello and AI

Summary:

- Developed a Java-based version of the Japanese game Othello (Reversi) with a minimax-powered AI opponent.
- Implemented alpha-beta pruning and a custom point system to optimize the performance of the AI.
- Created an interactive console-based interface that allows players to challenge the highly skilled AI opponent.
- Results: The algorithm effortlessly defeated a more naive minimax algorithm that looked 11+ moves ahead, despite only looking 8 moves ahead and computing 10 times faster itself.

Code: https://github.com/HOPE028/Othello-AI-in-Java

Stack: Java

Visual Sorting App

Summary:

- Created an interactive and visually engaging tool that effectively demonstrates the inner workings of various sorting algorithms.
- Developed and integrated 6 different sorting algorithms, providing a comprehensive and easy-to-understand visualization of each one.
- Incorporated the ability for users to adjust sorting speed and list size, providing a unique and customizable learning experience.

Code: https://github.com/HOPE028/Visual-Sorting-App

Stack: React.js, JavaScript, HTML5, CSS3

TECHNICAL SKILLS

Technologies: TypeScript, JavaScript, Java, C/C++, C#, HTML5, CSS3, GraphQL, Python

Frameworks/Libraries: React.js, Node.js, Express.js, Bootstrap, React Router, Firebase, Scikit Learn, Cors, DotEnv

Tools: GIT, Adobe Photoshop, Microsoft 365, GitHub. **Database:** Firestore Cloud, MongoDB