Kellen Parker

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PROJECTS

Mirror Squared   **Aug. 2021 – Apr. 2022**
Team Project - github.com/Kellenparker/mirror   *React.js, Node.js Kotlin, Firebase, Google Cloud*
Smart mirror software with the purpose of customizability and ease-of-use, complete with a companion mobile app.
- Designed modular desktop software with the capability of handling 7+ API-driven modules at once.
  - Emphasized efficiency and performance as needed to run smoothly on a Raspberry Pi 4 device.
- Designed a feature where the mirror will detect the user's clothes and provide them fitting clothing suggestions.
  - Optimized to run in under 5 seconds despite limited hardware and various concurrent modules.
- Allowed for instant communication between app and mirror and multiple users via a robust Firebase database.

Mapple   **Oct. 2022**
Personal Project - github.com/Kellenparker/mapple   *React.js, Node.js, AWS*
A web application where you guess the year of the map that is displayed. Inspired by Wordle.
- Made use of an AWS S3 bucket to store map information which allows for easy expansion and maintenance.
  - Maps are easily added, altered, and deleted which allows for new maps every day without altering code.
- Heavy focus on making the application easily accessible and understandable as well as a major focus on design.
- mapple.kellenp.com

On the Ropes   **Jan. 2022 – Present**
Personal Project - github.com/Kellenparker/ontheropes   *React.js, Typescript*
In-progress boxing management application with much of the simulation complete.
- Features a fully randomized and self-sustaining roster and environment, all stored client-side on the browser.
  - Simulated 500+ years of in-app time without any faults or inaccuracies in the simulation.
- Used TypeScript to help ease the use and readability of the complicated JavaScript objects in the application.
- ontheropes.kellenp.com

EDUCATION

West Texas A&M University   **December 2022**
BE, Computer Science   *Canyon, TX*
- 3.67 GPA

WORK EXPERIENCE

BSA Hospital   **Sept. 2017 – Present**
Anesthesia Tech   *Amarillo, TX*
- Performed maintenance and upkeep on 20+ anesthesia machines, monitors, and other medical equipment.
  - Ensure all equipment is operating within strict medical standards as needed for patient safety.
- Assist Doctors in sterile procedures such as Central Venous and Arterial line placements in emergent surgeries.
- Maintain an active inventory of over 150 vital medical supplies needed for Anesthesiologists and Surgeons.

SKILLS

- **Technical Skills**:
  - **General:** Algorithms, Data Structures, Web Development
  - **Languages:** JavaScript, TypeScript, Java, C++, Python, HTML5, CSS
  - **Libraries & Frameworks:** React.js, Express.js, Node.js
  - **Tools:** Git, VS Code, MS Visual Studio
- **Soft Skills:** Teamwork, Self-management, Communication, Problem Solving