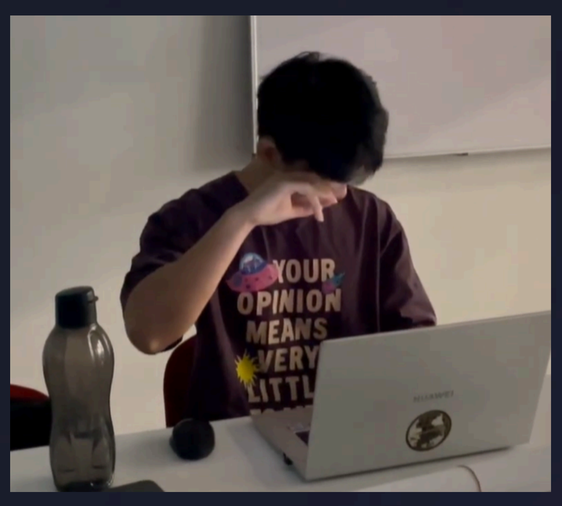
EyeGuard

AI-Powered Ergonomic Companion

Group HCI 4-2
Teo Khei Shen 23060130
Oscar Choong Tian Ling 23062722
Pang Zhi Yuan 22068233
Chong Bing Yong 22069298

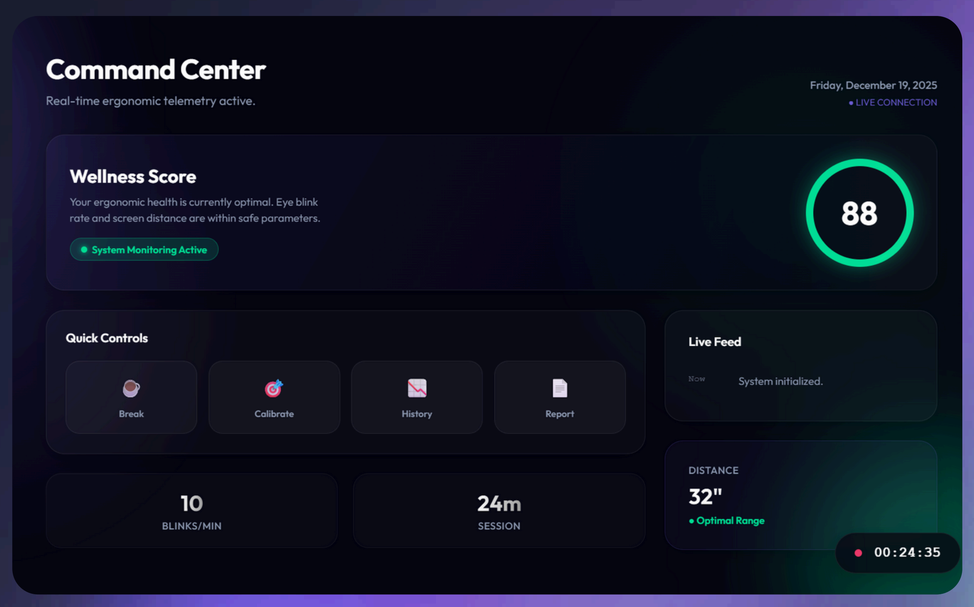
THE PROBLEM

Gamers suffer from Computer Vision Syndrome. Existing tools are passive and ignored.



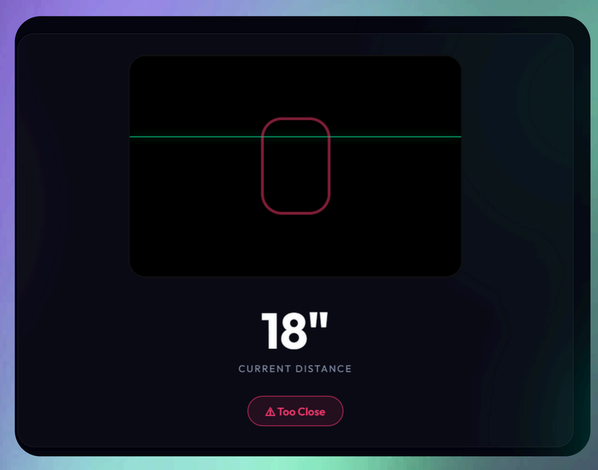
THE SOLUTION

- A unified Command Center that aggregates blink rate, screen distance, and fatigue metrics into a single, real-time Wellness Score.
- Designed in Dark Mode to minimize blue light emission during late-night gaming sessions.



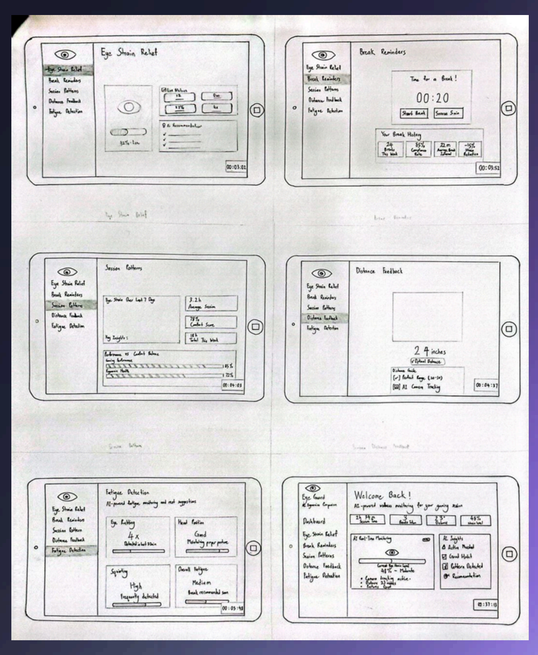
ACTIVE DISTANCE

Active Distance: LiDAR tracking warns if you lean too close.



THE PROCESS

Iterated from text-heavy lists to visual signals (Red/Green) based on user testing.

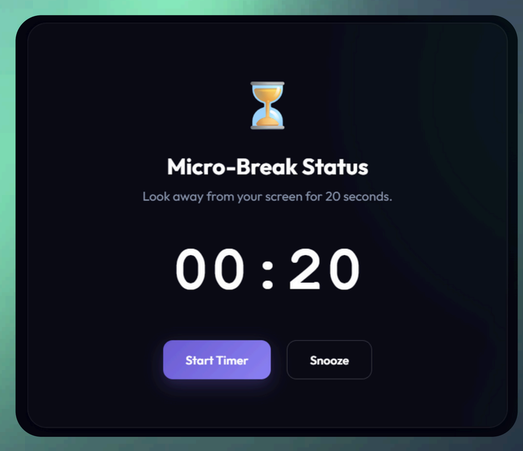


SESSION PATTERNS

Long-term habit tracking. Visualizes your gaming sessions to reveal unhealthy trends and optimize your play schedule.

SMART BREAKS

Smart Breaks: Enforces 20-20-20 rule.".



VALIDATION

81.6

SUS Score - Grade A

"Finally, an app that tells me WHY I'm tired, not just when to stop."

— User Testing Participant 3

VIDEO

Watch in Action

WEBSITE

Project Portfolio