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| **Project Name:** | SpotCheckAI |
| **Team:** | Rafferty Leung |
| **Project Description:** | **For** individuals concerned about the potential malignancy of skin lesions,  **who** want a faster and more convenient alternative to traditional diagnostic methods,  **the** SpotCheckAI progressive web application (PWA)  **is a** solution  **that** allows users to upload an image and receive a response that predicts the likelihood of the lesion being cancerous or benign, providing preliminary responses to the end-user and streamlining a physician’s practice  **unlike** existing solutions that may have limited accuracy or accessibility,  **our application’s** machine learning model provides a highly accurate and user-friendly experience with the added benefit of being open source, allowing for further development and improvement of the machine learning model. |
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| **Benefit Outcomes:** | 1. Earlier detection of skin cancer: By providing users with a preliminary response, the SpotCheckAI application can help identify potential skin cancers earlier, leading to earlier treatment and better outcomes. 2. Streamlined physician practice: By providing preliminary responses, physicians can focus on more complex cases and prioritize patients who require further examination. 3. Open-source development: With an open-source approach, the SpotCheckAI application can be continually developed and improved, leading to greater accuracy and reliability over time. |
| **Github Link:** | <https://github.com/htmw/2023S-Leung/wiki> |