

Application for PatientLeaf For the John Perry Prize

What is PatientLeaf?

PatientLeaf is Bloomberg for GPs. It is a Line of Business Application desktop application which data mines the medical records and presents this window into the notes in a UX format which is user friendly and informative and based on the condition the clinician is querying. For example, the Hypertension Leaf gives a Hypertension only view of the medical records to the user. See this link for a quick video <https://vimeo.com/256780630>

History of PatientLeaf?

PatientLeaf has been in development from concept to release for the last 8 years. Whenever I'm in clinic I always feel the current UI doesn't help me get to the information I need quickly and have to churn through reams and reams of text and documents before I can make a decision about the patient in front of me within the 10 minutes we have. Since we normally only deal with one compliant at one time I thought there was a need to use modern UX techniques to slice the patient notes and present this window to the user. As the current medical software companies out there are paid to manage simpler requirements, I felt there was a gap to help clinicians make a better more informed decision quickly during the consultation.

How does PatientLeaf Work?

See my Blog around the vision of PatientLeaf <https://razatoosy.com/2018/06/01/patientleaf/>
PatientLeaf has 3 basic views

1. A timeline of value to view in a graph with drugs affecting the value for example Blood Pressure on Anti-Hypertensives
2. The full medical history of the patient for you to quickly navigate based on the timeline above
3. Associated entries linked to the condition in question eg Echos, ECGs Qrisks for the Hypertension Leaf.

From these controls, you can quickly answer that difficult decision in the pressure of clinic which is "What do I do next?"

Benefits

The clinician saves precious time and eases pressure during the consultation and makes better decisions on the management of the patient. They also avoid revisiting the same mistakes with the patient's clinical care again. PatientLeaf is also very useful to quickly familiarise yourself with the patient whilst improving your knowledge of the patient's issue. It also reminds you of current guidelines eg for Blood pressure we display the target Blood Pressure based on NICE guidance depending on if the patient has diabetes, stroke, ckd etc

Future Development

PatientLeaf is highly extensible and we have a road maps to increase the number of leafs eg CKD, IHD, DM, Asthma, COPD etc We also plan to develop other controls eg attachments control to view documents and are looking to extract data from other sources to present to the clinician in clinic eg secondary care data. The idea is for the clinician to make an informed decision about the patient using the power of UX.

Screenshot Of PatientLeaf

If a picture paints a 1000 words..

