Introducing: Notes that Float: an activity, content and context-based reminding system that adaptively learns to show you what you need right now.

Step 1: Notes That Float retrieves real-time user activity, context and event data using web-based Life-tracking sites such as Plazes, Google Latitude, Last.fm, Wakoopa, and Google Calendar. This data is retrieved and extracted via standard RSS/ATOM feeds and REST APIs.

Step 2: Notes that float analyzes notes for date/time expressions (including relative dates & times). NTF also examines all activities. For each, it estimates the probability that the particular activity happened, and it’s overlap probability with note creation or edit events.

Step 3: Using the prior and pairwise probabilities computed in step 2, Notes that Float compares a new situation’s sensed activities to compute the posterior that a note is relevant to the current context. Notes exceeding a threshold probability are floated to the top of the list, ranked by their combined content and context posteriors.

For other self-trackers: The Quantified Self: http://www.quantifiedself.com/