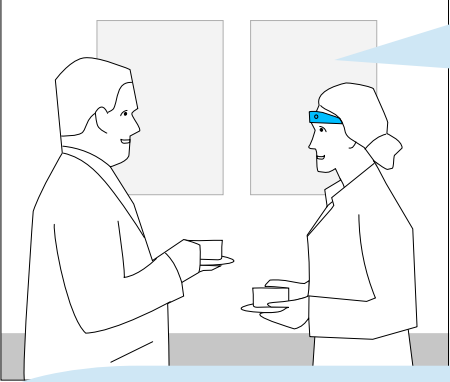


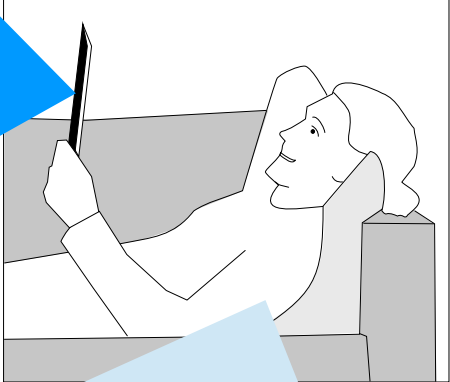
Video Recording Our Life

based on Contextual Information

Wearable cameras can be used to record our daily life. Using contextual information, digital memory clips can be automatically created to review our day. We explored the users' perspective on this concept, with context assessed with a smartphone.



Step 1: Record your life using a wearable camera. Your phone records context, such as acceleration.



Step 2: Our prototype uses Video recording and acceleration log to create a clip of interesting scenes.

Step 3: You can review the best of your day.

Findings

1. Survey recording behavior:

- majority not too selective
- like to capture all eventually important scenes
- ▶ opportunity to automatically create short, meaningful clips

2. User study with prototype:

- field study: record daily activities
- rate algorithm vs. human cutter
- ▶ expectations very individual – not always met by human cutter
- ▶ auto cut perceived more neutral

Outlook:

- ▶ Individual taste: respecting (manually defined) user preferences
- ▶ Algorithms: use acceleration to recognize activity itself
- ▶ Further context information: e.g. location, audio, speech recognition

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