

That's Me

- Andrew Schaaf
- webm-grok, video-web-app
- Talk, learn, hack.

webm-grok: Activity

- Project aim:
 - Make it trivial to:
 - examine VP8 frame data
 - extract motion vectors
- Features
 - Command-line tool: webm/vp8 → emit a protobuf message for everything the VP8 data says (e.g. “move this block there”)



webm-grok: Challenges

- I'm a noob w.r.t. VP8 codec details

webm-grok: Next Steps

- Spend more quality time with [vp8_bitstream.pdf](#)
- Extract/emit all of the VP8 information
 - (only frame headers so far)
- Package the project properly

video-web-app

- JavaScript:
- VideoClipWidget
- TimelineWidget (spectrogram, ...)
- Middle
- simple implementation, storage, API
- store chunks in a (key, value) store
- everything real-time
- Analysis:
- frame diffs --> low-change chunks
- slides --> text
- audio --> text, phoneme lattice for search
- (text, audio) alignment via phoneme lattices