

Chris Pearce

- Software Engineer, Mozilla
- Auckland, New Zealand



What are my projects?

- Mozilla Firefox HTML5 <video> player
- “Keyframe” indexing for Ogg “Skeleton 3.1”
- <http://github.com/cpearce/OggIndex>
- Indexing for ffmpeg2theora



Firefox <video> : Activities

- Ogg playback
- Seeking bugs
- lib{oggz,oggplay,fishsound} bugs
- “Keyframe” indexing for Ogg
- Removing Firefox use of liboggplay



Firefox <video> : Challenges

- Adoption of Ogg/Theora/Vorbis HTML5 <video>
- Acceptance and adoption of keyframe index
- Maintaining patches on top of `lib{oggplay,oggz,sydneyaudio,fishsound}`
- Poor liboggplay performance, architecture and reliability
- No libvorbis API documentation
- Ogg seeking still sucks

