

Real-time Wikipedia data musicalized with pure data

Visualizing of real-time Wikipedia edits with javascript and wikipedias API:recent changes stream¹ and producing music using pure data. To do this, developers in 2014 made JSONRCFeedFormatter.php, which formats each recent change as JSON and sends it over Redis to a simple "RCStream" server at stream.wikimedia.org. To access the stream Socket.IO 0.9 protocol² is used by installing it with npm³. Something similar has already been produced⁴ after researching the topic, but not by using pure data to generate the music. For the music I would be using Matt Davey pure data abstractions⁵ and creating different sounds depending on the values received from the real-time Wikipedia edits. If time allows, a visual representation of the data would be interesting to implement with html5 canvas and css3 animations. To create this connection between the real time stream and pure data the book on sonification will come in handy⁶.

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4. "Listen to Wikipedia." Hatnote Listen to Wikipedia. Stephen LaPorte and Mahmoud Hashemi, Aug. 09 2013. Web. 8 Sep 2016. <<http://listen.hatnote.com/#nl,ja,en,ar,as,pa>>
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