

Frabjous day

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DESCRIPTION

Frabjous day is a live-coding performance using a new, browser-based live-coding environment, *gibberwocky*, co-developed by the performer with Dr. Graham Wakefield. *gibberwocky* features deep integration with Ableton Live, possessing a variety of affordances for both musical sequencing and rapidly creating / assigning audio-rate modulation graphs. Like *Gibber*, another browser-based environment developed by the performer, *gibberwocky* places emphasis on dynamic annotations to source code that reveal the state of underlying algorithms. A new addition found only in *gibberwocky* is the use of animated sparklines to visually depict synthesis modulations over time. *gibberwocky* also makes heavy use of a new JavaScript synthesis library, *genish.js*, to generate musical patterns via digital signal processing techniques.

PERFORMANCE DOCUMENTATION

<https://vimeo.com/187702511>

EQUIPMENT REQUIREMENTS

- Projector with HDMI feed
- 1/8" or 1/4" stereo audio feed and direct box
- Chair + laptop stand or low table

Nothing too complicated here; I plug my laptop into stereo speakers and a projector.

PERFORMER BIO

Dr. Charlie Roberts is an Assistant Professor in the School of Interactive Games and Media at the Rochester Institute of Technology, where he researches human-centered computing in digital arts practice. He is the lead designer and developer of *Gibber*, an open-source, creative coding environment for the browser, and has performed with it throughout North America, the UK and Asia in the experimental performance genre of live coding.

RELEVANT LINKS

gibberwocky : <http://gibberwocky.cc>

genish.js: <http://charlie-roberts.com/genish>

This performance will not be accompanied by a demo.



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Web Audio Conference WAC-2017, August 21–23, 2017, London, UK.

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