

Travis McNeill

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Website: tavistock.github.io Github: github.com/Tavistock

EDUCATION

University of North Carolina Asheville, Asheville, NC

Bachelor of Arts in Philosophy

2015

SKILLS

- ❖ Proficient in JavaScript, Python, Clojure, ClojureScript, HTML5, CSS3
- ❖ Comfortable using the Linux command line and associated utilities like Git
- ❖ Experience with Django, Less/Sass, Twitter Bootstrap, React, and Angular

SELECT PROJECTS

Geodesic Game of Life, WebGL Experiment

JavaScript, Python, WebGL

[Demo](http://tavistock.github.io/game-of-life/) - <http://tavistock.github.io/game-of-life/>

(Three.js)

[Source](http://github.com/Tavistock/geodesic-game-of-life) - <http://github.com/Tavistock/geodesic-game-of-life>

- ❖ A version of Conway's Game of Life adapted to run on a geodesic surface
- ❖ Provides a user interface for changing cell state and transition rules
- ❖ Found and fixed a bug for high complexity 3D models which reduced load times from 70 seconds to under 45

Lseq-Tree, Distributed Computing Data Structure

Clojure, Clojurescript

[Source](https://github.com/Tavistock/interval-tree-clocks) - [https://github.com/Tavistock/interval tree clocks](https://github.com/Tavistock/interval-tree-clocks)

- ❖ A library that makes consensus-free and lock-free editable documents easy to use on both the server and the client
- ❖ Implementation of LSEQ based on [LSEQ: an Adaptive Structure for Sequences in Distributed Collaborative Editing](#)
- ❖ Cross compilable to Clojure and ClojureScript
- ❖ Includes tests at the module and unit level
- ❖ Found errors in the code of the original implementation and reported them upstream

Interval Tree Clocks, Causality Tracking

Python

[Source](https://github.com/Tavistock/interval-tree-clocks) - [https://github.com/Tavistock/interval tree clocks](https://github.com/Tavistock/interval-tree-clocks)

- ❖ Used to track changes to objects and synchronize them in environments with a dynamic number of clients while keeping clock size small
- ❖ A Library based on [Interval Tree Clocks: A Logical Clock for Dynamic Systems](#)
- ❖ Tracks causal changes to objects in a distributed systems
- ❖ Includes a full test suite

RELATED EXPERIENCE

Intern, Verigent, Mooresville, NC

Aug 2013 — Dec 2013

- ❖ Helped Human Resources transition to a web based system for turning in timesheets
- ❖ Introduced scripts that automated report gathering