

Clinton Dreisbach

Specialties: Clojure, Ruby, Python, SQL, teaching
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Experience

- November 2012 - present *Technology & Innovation Fellow at the CFPB*
Designed and created [Qu](#), a data platform used to serve public datasets. Qu is capable of streaming datasets of arbitrary length, ingesting and manipulating datasets based off definition files, and batch processing map-reduce jobs on that data. Qu is powered by Clojure and MongoDB.
Co-chair of the Open Source Working Group. Helped coordinate a major effort to open source over a dozen projects.
Helped organize an internal testing mini-conference aimed at increasing testing on CFPB projects. Within a year, all projects were using continuous integration and had comprehensive test suites.
- August 2011 - November 2012 *Developer at [Relevance](#) (now [Cognitect](#))*
Designed, created, and improved large software systems in Ruby and Clojure.
- August 2007 - March 2011 *Development Director at [Viget Labs](#)*
Led Durham, NC & Washington, DC based development teams. Worked as lead developer on Ruby on Rails projects for established businesses and startup clients.
- September 2005 - July 2007 *Developer at [Lulu.com](#)*
Planned and developed features for 1,000,000+ LOC PHP application. Responsible for refactoring of entire app to split the view layer out from the main logic.
- Previously *Lead Developer at Demand Publishing
Contractor at Boeing and RealNetworks
Signals Intelligence Analyst, U.S. Army*

Selected Open Source Contributions

- Clojure Author of [Qu](#), a data platform built on top of MongoDB, used to query, analyze, and stream data. Contributed to [Light Table](#).
- Python Member of core team for [Hy](#), a Lisp that compiles to the Python AST. Implemented tail-call optimization for Hy.
- Ruby Author of [edn-ruby](#), an EDN parser and writer. Original author of [Diametric](#), an ActiveRecord-compliant interface to the Datomic database.

Selected Talks Given

Secrets of Clojure Web Development, *CodeMash 2014, Sandusky, OH, USA*
Functional Web Development with Clojure, *Lambda Jam 2013, Chicago, IL, USA*
Computing with Clojure, *OSCON 2012, Portland, OR, USA*
Migrating Legacy Apps to Rails 3, *RailsConf 2011, Baltimore, MD, USA*
Advanced Internationalization with Rails, *Conferencia Rails 2009, Madrid, Spain*

Volunteer Projects

- ClojureBridge [ClojureBridge](#) is an initiative to increase diversity within the Clojure community by offering

free, beginner-friendly workshops for women. I am the lead author of the core curriculum, and am teaching the premier workshop in Durham, NC.

Citizen Schools I have taught Scheme using the **Bootstrap program** through the Citizen Schools after-school program for 6th-8th graders.

Teen Tech Camp **Teen Tech Camp** was a day-long event that members of Refresh the Triangle and TriZPUG organized with the help of the Durham County Southwest Regional Library. We successfully applied for a grant from the Python Software Foundation to purchase Raspberry Pis for 20 students, aged 12-18. I was an organizer and lead teacher.

Activities and Interests

Games I am an **award-winning role-playing game designer** and love playing all kinds of board and tabletop games.

Teaching As evidenced by my volunteer projects, I enjoy teaching programming skills to newcomers. I am dedicated to increasing access to programming knowledge and skills among communities are underrepresented in technology.

Music I play the ukulele in a folk ensemble.