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Matthew Short

Languages and Technologies

Ruby, Ruby on Rails, JavaScript, jQuery, Backbone, SQL, RSpec, Git, SVN, HTML, Bootstrap, CSS, Sass, LaTeX.

Experience

2014–present **Engineer**, *HappyFunCorp*, Brooklyn NY.
Created user interfaces for RyeCatcher and NBA Media in Rails, jQuery and Bootstrap.

2014–present **Head of Curriculum**, *HFC Technology Academy*, Brooklyn NY.
Created educational best practices and curriculum for a front-end first full stack code school.

2013-2014 **Senior Knowledge Engineer**, *Reasoning Mind*, Houston TX.
Reworked Russian lessons into scripts for an online elementary school math program. Started internal code school to encourage programmatic approaches to solving work related problems.

2011–2013 **Instructor**, *Dalton State College*, Dalton GA.
Taught remedial, general education, and major level Mathematics. Created new courses resulting in new course paths through the Math Major. Introduced inverted classroom techniques. Brought use of iPads to classroom after securing technology grant.

2004–2011 **Instructor of Record**, *Binghamton University*, Binghamton NY.
Taught remedial, general education, and major level Mathematics.

Education

August 2014 **Completed course work for PhD**, *Binghamton University*, Binghamton, NY, *Mathematics*.
Dissertation title: *An extension of Thompson's Group V*

2007–2008 **MA**, *Binghamton University*, Binghamton, NY, *Mathematics*.

2003–2007 **BS**, *Binghamton University*, Binghamton, NY, *Mathematics*.

Recent Projects

(For an explanation of technologies implemented, see github links.)

live **Choose Thy Own Adventure**, *Rails, jQuery*.
github Provides an interface for creating, sharing, and playing Choose Your Own Adventure style stories.

github - final **Video Poker**, *Ruby, TDD*.
github - TDD A video poker machine, ported from my TDD Poker Engine.

live **Snake**, *jQuery*.
github The classic game, built for the browser. Display made using CSS and jQuery. Now with portals!

live **LightsOut**, *jQuery*.
github A childhood game recreated with Candace Schenk.