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🌐 [short-matthew-f](https://github.com/short-matthew-f)

# Matthew Short

## Languages and Technologies

Ruby, Ruby on Rails, JavaScript, jQuery, Backbone, SQL, RSpec, Git, SVN, HTML, Bootstrap, CSS, Sass, L<sup>A</sup>T<sub>E</sub>X.

## Experience

2014–present **Engineer, Head of Curriculum**, *HappyFunCorp*, Brooklyn NY.

Created user interfaces for RyeCatcher and NBA Media in Rails, jQuery and Bootstrap.  
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.

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.

## Education

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

2007–2011 **Instructor of Record**, *Binghamton University*, Binghamton NY.

Taught remedial, general education, and major level Mathematics.

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.)

**Choose Thy Own Adventure** | [github](#), *Rails*, *jQuery*, *Bootstrap*.

Provides an interface for creating, sharing, and playing Choose Your Own Adventure style stories.

**Video Poker**, *Ruby*, *TDD*.

A video poker game, ported from my TDD Poker Engine.

**Snake** | [github](#), *jQuery*.

The classic game, built for the browser. Now with portals!

**LightsOut** | [github](#), *jQuery*.

A childhood game recreated with Candace Schenk.