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DYLAN FOSTER

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Portfolio

TECHNICAL EXPERIENCE

Bettergram — *Rails, Backbone.js, Redis*

A clean and snappy interface to your own Instagram feed. Backbone app consuming Rails API.

Loads photos when the bottom of the feed is reached. Uses Redis caching for smooth navigation.

User model overrides Backbone's parse method to implement client-side association with photos.

JSON-only controllers are nested under 'api' namespace for more RESTful routing.

Source, *demo*

ActiveRecord Lite — *Ruby*

Rebuilt basic ActiveRecord functionality to better understand Rails and ORM.

Heavy use of metaprogramming, including #send and ::define_method for associations.

Uses Ruby objects as a data structure to store intermediate attributes in join table associations.

Source

First Person Invaders — *Javascript, HTML5*

Fresh twist on a classic space shooter: rotate the environment to stay alive.

HTML5 canvas for graphics. OO design using prototypal inheritance and the module pattern.

Trigonometric functions calculate object velocities and envrionment orientation.

Source, *demo*

LANGUAGES AND TECHNOLOGIES

Ruby, Rails, JavaScript, Backbone.js, VIM, jQuery, WebSockets, SQL, HTML, CSS, git

EMPLOYMENT HISTORY

Shipping and Receiving Clerk (Higbee Inc.) — 2010-2013

Managed domestic and international shipments.

Taught myself web development in my free time with online courses and tutorials.

Mathematics Tutor (Onondaga Community College) — 2007-2010

Helped students understand class material on a daily basis.

Tutored Calculus 1, 2, 3, Discrete Mathematics, and Linear Algebra.

EDUCATION

Mathematics (Onondaga Community College) — 2006-2008

Two years completed, left for financial reasons.