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DYLAN FOSTER

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[Portfolio](#)

TECHNICAL EXPERIENCE

Bettergram

Rails, Backbone.js, Redis

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

Loads additional photos when viewport reaches bottom of the feed. Redis server caches feed for smooth navigation between views.

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 techniques, including `#send` for white-listed attributes 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. Object-oriented design using prototypal inheritance and the module pattern.

Trigonometric functions calculate object velocities and environment 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.