

Esop Baek

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PROJECTS

YourFitnessPal (Rails, Backbone.js) | [live](#) | [github](#)

Fitness journal web-app modeled after MyFitnessPal. Calorie counter, food & exercise tracker, blogging platform, and social networking site, all featured in one app.

Single-page backbone app consuming RESTful Rails API

Utilizes 3rd party API (Nutritionix) to create database of 100,000+ foods

Calculates user-specific daily calorie targets using Mifflin-St. Jeor equations to estimate user's basal metabolic rate

Classic Asteroids (Javascript, HTML5 Canvas) | [live](#) | [github](#)

Classic Asteroids arcade game rebuilt in JS

Features customized inheritance and object-oriented principles for efficient design

ActiveRecordLite (Ruby) | [github](#)

Clone of basic Active Record functionality

Features metaprogramming in building functions

Handles mass assignment, querying, and associations

SKILLS

Ruby, Rails, JavaScript, Object-Oriented Design, Backbone.js, jQuery, Git, RSpec, TDD, SQL, HTML, CSS

EDUCATION

Dartmouth College (March 2014)

B.A. Psychology

Relevant Coursework: Object-Oriented Problem Solving, Discrete Mathematics, Linear Algebra, Statistics, Social Psychology

EXPERIENCE

Intern – Vital Communities (Dec '13 – Feb. '14)

Designed presentation materials for flagship event. Contributed to company's blog and updated existing databases daily.

Session Guitar Player and Tutor – Dartmouth College (Fall '12 – Spring '14)

Collaborated with professional musicians regularly for some of the biggest on-campus performances, such as Dartmouth Idol.

Educational Development Coordinator – Big Green Bus (Fall '09 - Summer '10)

Lead the development of curriculum and production of presentation materials for the summer tour, which promotes alternative energy. These materials and presentations reached over 10,000 people in 35+ cities in venues such as Capitol Hill, Disney World, and the Vans Warped Tour.