

# 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

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## SKILLS

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

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## EDUCATION

**Dartmouth College (March 2014)**

B.A. Psychology

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

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## 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.