

# Jake Park

jake@parkjake.com

38-16 Corporal Stone Street, Bayside, NY 11361

347.369.4525

[Github](#) [LinkedIn](#) [parkjake.com](#)

---

## Skills

Ruby, Ruby on Rails, Javascript, JQuery, SQL, Backbone, HTML5, CSS, Git

## Projects

**myFacebook** [Live](#) [Git](#) (Backbone.js, Ruby on Rails)

- Single page app prefetches content for quick site navigation
- Join table permits Facebook friendship model; user friendships maintained as a single database entry
- Customized single request SQL query returns database results no matter which user initiated friendship
- Image upload to AWS using Paperclip library
- Log in via Twitter authentication using Omniauth

**Asteroids** [Live](#) [Git](#) (Javascript, HTML5 Canvas)

(Modern interpretation of the classic 2D space shooter)

- Inelastic collisions allow for fun physics-based movement
- Artificial AI enemy rotates to track and follow player and fire projectiles
- Collision detection and resolution for all objects in scene
- Uses vector algebra for calculation of object movement

**Chess** [Git](#) (Ruby)

(Command line implementation of chess, enhanced with ANSI coloring)

- Users can input moves via standard algebraic notation using input hash

## Education

**App Academy**, New York, NY 2015

Full-time software development program with an acceptance rate under 5%

**Columbia University**, New York, NY 2003 - 2007

Bachelor of Science – Mechanical Engineering; GPA: 3.3/4.0

## Experience

**Steven Winter Associates**, New York, NY Energy Engineer 2011 - 2014

- Reviewed architectural and MEP plans to determine energy efficiency opportunities
- Developed whole-building energy simulation models using eQuest and Excel
- Analyzed results spanning more than 1000 pages of data output and produced reports
- Presented recommendations to client stakeholders, including City and State authorities

**Laszlo Bodak Engineers**, New York, NY Mechanical Engineer 2007 - 2010

- Designed mechanical systems for mid-rise residential, commercial, and educational developments
- Surveyed existing field conditions and incorporated real world data into updated blueprints

## Interests

Multi-marathon runner; cyclist and volunteer mechanic; swing dance team member