

Jake Park

jake@parkjake.com

38-16 Corporal Stone Street, Bayside, NY 11361

347.369.4525

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

Skills

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

Experience

Rowan Technology, New York, NY

Full Stack Engineer 2015 - 2016

Supported the development of a collaborative digital educational platform for military cadets

- Exposed public facing RESTful back-end API routes in Rails for authenticated requests
- Synchronized data across four applications consisting of 5000+ user purchases and content
- Developed front-end Angular features in Javascript and persisted data to Rails backend
- Identified, analyzed, and resolved over 100 bugs

Steven Winter Associates, New York, NY

Energy Engineer 2011 - 2014

- Developed whole-building energy simulation models using DOE Equest software
- Analyzed results to determine energy efficient opportunities with quantifiably favorable payback

Laszlo Bodak Engineers, New York, NY

Mechanical Engineer 2007 - 2010

- Designed mechanical systems for mid-rise residential, commercial, and educational developments

Projects

An (Abridged) History of World War 2

[Live](#) [Git](#) (Angular.js, Three.js)

- Site mockup built using AngularJS and incorporating ThreeJS library for 3D model interaction
- Custom Angular directives for page layout of paragraphs and images, including modal overlays

myFacebook

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

- Single page app prefetches content for quick site navigation, quick login via demo users or Twitter auth
- 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

Asteroids

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

- Asteroids game designed with inelastic collisions to create fun physics-based movement
- AI enemy rotates to track and follow player and fire projectiles
- Objects textured with sprite maps for increased performance
- Collision detection and resolution for all objects in scene, vector algebra for object movement

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

Interests

Multi-marathon runner; volunteer bicycle mechanic; Big Apple Lindy Hopper swing troupe member