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 during 2 week Agile sprints

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; cyclist and volunteer bicycle mechanic; swing dance team member