Wilson Fong

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Personal Site · Github · LinkedIn

Projects

Tomodomo · github — **Full stack engineer - *Rails, SQL, React, Redux***

A single page, project management app inspired by Trello

- Minimized load times by leveraging JSON APIs with Redux state and React view updates.
- Utilized React DnD for drag and drop behavior, enhancing user workflow.
- Developed custom Rails model validations to ensure the validity of orderable SQL tables.

Miko · github — **Front end engineer - *JavaScript, EaselJS, HTML5***

A classic Japanese shooter

- Developed global high score functionality using Google Firebase's Realtime Database API.
- Established full range of player movement with custom keypress event logic.

Shinkansen · github — **Sole developer - *Ruby***

A Ruby MVC framework with a simple ORM inspired by Rails

- Created model get, set, and association methods through Ruby metaprogramming.
- Implemented basic Rack router to access controller actions.

Skills

Ruby on Rails, RSpec, JavaScript, React, Flux (Redux), jQuery, SQL, git, HTML5, CSS3, C#, C

Education

App Academy · New York, NY — **Feb 2017 - May 2017**
1000-hour full-stack web development course · Acceptance rate < 3%

- **Topics include:** Rails, SQL, JavaScript, React, Redux, TDD, OOP, algorithms

Wesleyan University · Middletown, CT — **Sep 2011 - May 2015**
BA Physics with High Honors · 3.85 GPA

- **Curriculum Highlights**: Computer Science I/II, Linear Algebra, Multivariable Calculus
- **Awards:** Karl Van Dyke Prize, Dean's List

Experience

Technical Services (Client Systems) · Epic Systems · Madison, WI — **July 2015 - Dec 2016**

- Co-developed a systems infrastructure tracking web app to improve team customer service using C#, Microsoft SQL, and JavaScript.
- Managed infrastructure projects at several healthcare organizations reducing application response time exceptions up to 70% (below the Epic customer average).

Research Assistant · Wesleyan University · Middletown, CT — **Jan 2013 - May 2015**

- Investigated molecular dynamics of novel polymer material using simulation and data analysis code written in C. Findings culminated in a senior thesis that earned high honors.