

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 coupled with Redux state management and React view updates.
- Provided a seamless UX by utilizing React DnD for intuitive drag and drop behavior.
- 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

- Improved DRYness of game objects by utilizing object-oriented design.
- Enhanced UX by caching movement key presses upon keydown event.

[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 • Dean's List

- **Curriculum Highlights:** Computer Science I/II, Linear Algebra, Multivariable Calculus

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.