

# Wilson Fong

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[Personal Site](#) • [Github](#) • [LinkedIn](#)

## Projects

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**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*

- Simplified HTML5 canvas rendering by utilizing EaselJS library.
- 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

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

## Education

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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

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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.