

Wilson Fong

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

Experience

Software Engineer · Adaptly · New York, NY **July 2017 - Current**

- Introduced hundreds of advertising conversion metrics by creating reusable React column selector component.
- Reduced runtime of benchmark reporting queries by an order of magnitude by utilizing PostgreSQL materialized views.

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 healthcare organizations reducing application response time exceptions by 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.

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.

Education

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

Skills

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