

Jeffrey Wu

Software Engineer

[Github](#)
[Portfolio](#)
[LinkedIn](#)

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PROJECTS

Solomon — Single-page app for splitting bills (Ruby on Rails, React, Redux) [Live](#) [Github](#)

Employed React with Redux to update expense items, balances, and displays in response to user action, resulting in a seamless UI/UX with consistent unidirectional data flow.

Tailored SQL queries to avoid N + 1 problem when extracting data about associated friends, expenses, and debts, achieving improved load times on expensive database operations.

Maintained database integrity with custom validations to process RESTful API actions.

Venti — Puzzle game (JavaScript, jQuery) [Live](#) [Github](#)

Created draggable tiles using the jQuery UI library, producing smooth mouse-tracking movement.

Rendered efficiently by assigning keys and tracking tile positions, achieving faster response time.

Remodel — Object-relational mapping tool (Ruby, SQL) [Github](#)

Enabled database CRUD interaction by abstracting SQL queries into methods, producing a simplified API that emphasizes object properties over constructing exact SQL syntax.

Streamlined establishing and accessing model associations by designing default naming patterns with override options for reflexive or multi-join relationships.

EDUCATION

App Academy — Full-Stack Development Course (Dec 2016 - Mar 2017)

1000-hour immersive program with less than 3% acceptance rate.

Topics include Rails, SQL, JS, React, Redux, algorithms, OOP, best practices, and TDD.

Stony Brook University — BA Chemistry (2007 - 2011)

Curriculum highlights: Linear Algebra, Multivariate Calculus, Data Collection and Analysis.

EXPERIENCE

JumpStart Teaching Assistant — App Academy, NY (2017)

Applied data-driven instruction and evaluation methods to assess student learning and refine lesson plans.

Math/Chemistry Teacher — ABCMath Academy, NY (2011 - 2016)

Achieved 20% average increase in standardized assessment scores by restructuring math curriculum to emphasize critical thinking skills.

Private Tutor — Long Island, NY (2013 - 2015)

Established and met two academic goals for special needs student by building study habits and healthy communication skills.

SKILLS

Ruby	RSpec
Rails	SQL
JavaScript	jQuery
React	HTML5
CSS	Git
Flux (Redux)	