

# Jeffrey Wu

## Software Engineer

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

5920 156 Street Flushing, NY 11355  
646-206-5529  
jwu.dev@gmail.com

### PROJECTS

#### **Solomon** — Bill-splitting app (Ruby on Rails, React, Redux) [Live](#) [Github](#)

Employed React with Redux architecture to maintain global state in a single-page app, resulting in a seamless UI/UX with consistent unidirectional data flow.

Tailored ActiveRecord queries to optimize performance and avoid N + 1 queries, achieving improved load times on expensive database operations.

Maintained database integrity with custom validations and transactions to process RESTful actions.

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

Incorporated draggable elements using jQuery UI, producing smooth mouse-tracking movement.

Implemented collision by overwriting default functions to prevent dragging over certain elements.

#### **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 associations between models by designing default naming patterns with override options for reflexive and through 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

#### **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.

Assessed effectiveness using data-driven instruction and refined lesson plans according to results.

#### **Private Tutor** — Long Island, NY (2013 – 2015)

Established and achieved 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)	