

# Timothy Wu

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[Portfolio](#)

[Linkedin](#)

[Github](#)

## SKILLS

React.js, Redux, Ruby on Rails, JavaScript, jQuery, Node.js, Java, C++, SQL, JSON, REST, AWS, HTML5, CSS3

## EDUCATION

### App Academy

Feb 2019 – Apr 2019

*Rigorous 1000-hour software development course with <3% acceptance rate*

Specialized coursework: TDD, scalability, algorithms, OOP, coding style, REST, security, single-page apps, and web development best practices

### Queens College

Jan 2016 – May 2018

*Bachelor of Arts in Computer Science*

Relevant Coursework: Software Engineering, Design and Analysis of Algorithms, Data Structures, Database Systems, Operating Systems, Image Processing

## PROJECTS

**Conbrite** | ( *Ruby on Rails, PostgreSQL, React, Redux, JavaScript, CSS, Heroku* )

[Live Site](#) | [Github](#)

*A platform inspired by Eventbrite that focuses on concerts, conventions, and conferences. It is a single-page application where users can create, browse, and register for events.*

- Ensured user privacy and autonomy through frontend and backend authentication measures and React Router, allowing users to only access and make changes to their own events when logged in
- Created custom form frameworks using React component architecture to allow for efficient development of new forms.
- Increased the efficiency of data extraction through the utilization of Active Record associations across multiple tables in a single query

**Tamago Land** | ( *JavaScript, Canvas, HTML, CSS* )

[Live Site](#) | [Github](#)

*A fully interactive 2D JavaScript and HTML5 Canvas game based on the original Donkey Kong*

- Incorporated gravity physics and Canvas animation frames to smoothly render a jumping animation
- Developed a collision detection algorithm between the sprite character and the surrounding environment to simulate interaction
- Designed the layers of the game architecture to handle the transition of the game state based on the user input

## EXPERIENCE

### Instructor

*Arista Prep*

Jan 2018 – Dec 2018

- Taught reading comprehension and grammatical rules to 6<sup>th</sup> – 11<sup>th</sup> grade students
- Improved the students' score by around 200 points on their SAT and SHSAT examinations by reviewing mock examinations weekly
- Monitored and remediated the student's performance by adjusting the lesson plan accordingly

### 68W Healthcare Specialist

*Army National Guard*

Apr 2013 – Apr 2016

- Monitored the health of 120 soldiers as their primary medic and actively ensured their safety
- Organized instructive classes to train soldiers on combat-aid procedures, and evaluated their understanding by using real-life scenarios
- Advised the supervising officer on potential health risks during intensive field training