Timothy Wu

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SKILLS

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

- Stored image uploads in the cloud using Amazon Web Services (AWS) Simple Storage Service (S3), allowing for scalability and reducing server load
- 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 6th – 11th 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