

Zack Yu

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SKILLS

Ruby • Ruby on Rails • JavaScript • React • Redux • jQuery • HTML5 • CSS3 • SQL • Git

PROJECTS

Map My Trot (Ruby on Rails, ReactJS, Redux)

[live](#) | [github](#)

Social media platform that allows users to track and share running activity

- Integrated Google Maps API with geolocation-based search for easy route creation
- Implemented infinite scrolling and pagination to increase browsing efficiency
- Created Activity Feed using polymorphic associations and custom SQL queries
- Optimized data fetching with eager loading to eliminate N+1 queries
- Encrypted HTTP client traffic with secure socket layer protocol

Bubble Dungeon (JavaScript, EaselJS)

[live](#) | [github](#)

HTML5 Canvas game inspired by Bubble Shooter

- Implemented a queue and breadth-first-search algorithm to match bubbles
- Created projectile physics (bouncing and colliding) using vector math
- Managed sprite renderings through use of EaselJS library

zQuery (JavaScript)

[github](#)

DOM manipulation and traversal library written in JavaScript

- Executes AJAX requests through use of XMLHttpRequest Web API
- Includes chainable function calls using JavaScript's promise class
- Handles creation of event listeners through on and off methods

EXPERIENCE

Jumpstart Instructor - App Academy (Feb 2017 - Current)

- Presenting lectures on data structures, control flow, & enumerables
- Providing individual student instruction on general programming concepts in Ruby

Financial Analyst - Bank of America (Jun 2014 - Jun 2016)

- Spearheaded efforts to automate reports with VBA, resulting in shorter prep time
 - Conducted trend analysis on revenues, expenses and net flows for strategic planning that led to increased bottom line
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EDUCATION

Web Development - App Academy (Oct 2016 - Jan 2017)

- Rigorous 1000-hour full-stack development course with focus on Ruby on Rails, JavaScript, React, Redux, SQL, Advanced Algorithms and Data Structures

Bachelor in Business Administration - Baruch College, Class of 2014

- Major - Finance & Investments; Minor - Economics
- Beta Alpha Psi Honor Society - Treasurer