

Zack Yu

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SKILLS

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

PROJECTS

Map My Trot (Rails, ReactJS, Redux)

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

Web application for users to track and share running activity.

- Integrated Google Maps API with geolocation based searching to allow for easy custom route creation.
- Optimized data fetching with custom SQL queries and eager loading to eliminate N+1 queries and allow for scalability.
- Kept code DRY through the use of polymorphic associations, partials and modular components.
- Secured website with HTTP over SSL security protocol.

Bubble Dungeon (JavaScript, HTML5, Easel.js)

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

HTML5 canvas game inspired by Bubble Shooter.

- Generated game environment and animation with HTML5 and easelJS library.
- Implemented a queue and breadth first search algorithm to find matching bubbles.
- Created physics of bubble trajectory (bouncing and colliding) using vanilla JavaScript.

zQuery (JavaScript)

[github](#)

Lightweight JavaScript library inspired by jQuery.

- Integrated methods for easy DOM Manipulation and Traversal.
- Performs asynchronous HTTP (AJAX) requests.
- Allows for event handling through on and off methods.

EXPERIENCE

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

- Conducted trend analysis on revenues, expenses and net flows that led to increased revenue generation.
 - Simplified and implemented controls for the profit & loss statement, reducing preparation time by 30%.
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EDUCATION

Web Development - App Academy (Fall 2016)

- Rigorous 1000-hour full-stack development course.
- Acceptance rate < 3%.

BA in Finance & Investments - Baruch College, Class of 2014

- GPA 3.65