

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, Easel.js)

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

HTML5 Canvas game inspired by Bubble Shooter.

- Implemented a queue and breadth-first-search algorithm to find matching bubbles.
- Created projectile physics (bouncing and colliding) using vector math.

zQuery (JavaScript)

[github](#)

DOM manipulation and traversal library written in JavaScript.

- Executes AJAX requests through use of XHR and returns a promise.
- Allows for creation, selection and alteration of HTML elements.

EXPERIENCE

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

- Simplified and implemented controls for the profit & loss statement, reducing preparation time by 30%.
- Wrote VBA scripts for expense and net-flow reports that automated the process.
- Conducted trend analysis on revenues, expenses and net flows for strategic planning.

VOLUNTEER

Volunteers for Peace Vietnam - Ubelong (Mar 2014 - Apr 2014)

- Planned English lessons and provided classroom instruction to orphans aged 14 to 16.
 - Cared for children with birth defects related to Agent Orange exposure.
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EDUCATION

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

- Rigorous 1000-hour full-stack development course with an acceptance rate < 3%.

Bachelor in Business Administration - Baruch College, Class of 2014

- Major - Finance & Investments; Minor - Economics; GPA 3.65