

# Zack Yu

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**PORTFOLIO** [www.zackyu.com](http://www.zackyu.com) • **GITHUB** [github.com/zy101249](https://github.com/zy101249) • **LINKEDIN** [linkedin.com/in/zack-yu](https://linkedin.com/in/zack-yu)

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## SKILLS

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

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## 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

### 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

## VOLUNTEER

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

- Cared for children with birth defects related to Agent Orange exposure
  - Planned English lessons and provided classroom instruction to orphans aged 14 to 16
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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
- Beta Alpha Psi Honor Society - Treasurer