

Carolyn Walsh

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cm-walsh.com ♦ [GitHub](#) ♦ [LinkedIn](#)

SKILLS

Ruby ♦ Rails ♦ RSpec ♦ JavaScript ♦ jQuery ♦ React ♦ Redux ♦ SQL ♦ HTML5 ♦ CSS3 ♦ Git

PROJECTS

Giles ♦ library-management app built with Rails and React/Redux [live](#) ♦ [github](#)

- Implemented local data caching through custom Redux middleware in order to retain previous query results for seamless user experience
- Redux cycle renders reusable React components from AJAX query of Google's Books API
- Engineered rigorous front- and back-end user authentication including password hashing (using BCrypt), session management, and redirection
- Effectively handled backend errors and null responses from external API through Redux reducers and conditional rendering

Bubble Jam ♦ Zuma-based match-three game built in JavaScript [live](#) ♦ [github](#)

- Doubly-linked list allows for constant-time insertion and deletion of nodes
- Reduced collision-checking from n^2 to linear time complexity with doubly-linked list
- Recursively matched nodes to select for deletion
- Achieved 60 frames per second rendering with HTML5's Canvas API
- Employed principles of OOP to keep code modular and DRY

starDOM ♦ JavaScript library for intuitive DOM manipulation [live](#) ♦ [github](#)

- Authored library to wrap DOM nodes in a JavaScript class for easy manipulation, traversal, and event handling; flexible AJAX interface allows for function chaining
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EXPERIENCE

Co-Founder & CFO ♦ Forgotten Language Herbs (2015 - 2016)

- Formed LLC, implemented bookkeeping best practices, prepared partnership tax return, and managed marketing and sales logistics for a line of herbal teas

Director of Operations ♦ Salty Road (2012 - 2015)

- Modeled seasonal demand for capacity planning and designed and implemented scalable fulfillment processes, leading to 270% revenue increase

Senior Tutor ♦ Inspirica (2013 - 2017)

- Coached students to measurable improvement on tests ranging from middle school to graduate admissions by designing and implementing personalized curricula
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EDUCATION

App Academy, New York, NY ♦ 2017

- 1000-hour full-stack web development intensive with < 3% acceptance rate and emphasis on TDD, OOP, pairing, and best practices. Achieved 98% across exams

St. John's College, Annapolis, MD ♦ BA Liberal Arts 2009

- Relevant coursework: analytic geometry, calculus, chemistry, and physics including electromagnetism and optics