

David Halsey

Software Engineer

[Github](#) | [LinkedIn](#) | [Portfolio](#)

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PROJECTS

Read The Leaves

[Live](#) | [Github](#)

Ruby, Rails, JavaScript, React, Redux, PostgreSQL

Full-stack meetup app inspired by Tea With Strangers

- Deployed high-scalability frontend architecture through Redux/Flux pattern and state normalization
- Minimized user latency via AJAX requests and RESTful JSON API
- Enabled user profile customization using AWS S3 buckets
- Optimized performance via Relation caching and eager loading to prevent N+1 and redundant queries
- Secured user experience using client and server-side validations, session management, rerouting, and password encryption

Space Invaders

[Live](#) | [Github](#)

JavaScript, HTML5, CSS3, Canvas web API

Taito's classic arcade shooter

- Created using OOP design to deliver optimized game-state, logic, and 60fps visuals
- Optimized time complexity of collision detection using spatial rendering algorithm
- Provided live scoreboard via real-time cloud storage

jOker

[Github](#)

JavaScript

Lightweight DOM manipulation library derived from jQuery

- Created intuitive event handling, AJAX requests, and DOM manipulation

EXPERIENCE

Lead Sale Associate | Bonobos - NY, 2015-2017

- Led QA and AB testing of mobile payment system to deployment

Manager | Pious Farms - CA, 2012-2014

- Created relational database organizing all revenue, expenses, medical, and state documentation

Lead IT Tech Sppt. | NOVA Southeastern U. - FL, 2011-2012

- Optimized database queries for all senior faculty scheduling
- Administered database for campus staff, payroll, and events

SKILLS

Languages:

JavaScript/ES6,
React.js, Redux,
Ruby, Rails, jQuery,
SQL, PostgreSQL, MySQL,
HTML5, CSS3,
Git, Heroku,
AWS

TDD Frameworks:

RSpec, Capybara,
Jasmine, Mocha

EDUCATION

App Academy - NY

2017

1000-hour software
engineering bootcamp with
<3% acceptance rate
Full stack web app
development focusing on
TDD, algorithms, OOP, and
programming best practices

NOVA Southeastern U - FL

2010 - 2014

MSc. Biological Science

GPA: 3.82