

# David Halsey

## Software Engineer

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

New York, NY  
207.518.3275  
dhalsey212@gmail.com

### 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

JavaScript

Lightweight DOM manipulation library derived from jQuery

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

[Github](#)

### 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 & Frameworks:

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