

# David Halsey

## Software Engineer

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

New York, NY  
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### EXPERIENCE

Front-end Engineer | *Accessories Direct* - NY, 2017

Instructor | *App Academy* - NY, 2017

- Taught full-stack curriculum with an emphasis on TDD, algorithms, OOP, programming best practices, and more

JavaScript Tutor | NY, (2016-2017)

- Focused on fundamentals of JavaScript covering ES5 and ES6
- Focused on execution context, creation and compilation phases, scope, closure, hoisting, async, callbacks, and HOFs

### PROJECTS

Read The Leaves

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

*Ruby, Ruby-on-Rails, React.js, 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 with AJAX requests

- Intuitively named function-library wrapped in a global object allowing for event handling and AJAX with Promise return

### 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

NOVA Southeastern U. -  
FL

(2010 - 2014)

MSc. Biological Science

GPA: 3.82