David Halsey
Software Engineer

Github | LinkedIn | Portfolio

New York, NY
207.518.3275
dhalsey212@gmail.com

EXPERIENCE

Front End Engineer | *Accessories Direct - NY, 2017*
- Optimized product pages to be dynamically responsive across all desktop, tablet, and mobile browsers
- Utilized Instagram API to provide simultaneous cross-platform promotions, sales, and product debuts

Instructor | *App Academy - NY, 2017*
- Taught a full-stack curriculum with an emphasis on TDD, algorithms, OOP, programming best practices, and more
- Led students from minimum knowledge to full-stack production web app development and deployment

JavaScript Tutor | *NY, (2016-2017)*
- Taught 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, 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

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