
Terence Buchannan

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SKILLS

Ruby	Ruby on Rails	JavaScript	jQuery	React	Flux
SQL	Git	HTML/CSS	Java	RSpec	Photoshop

PROJECTS

[keepScrolling](#) - Ruby on Rails, Javascript, React.js/Redux ([Github](#))

Single-page web app inspired by Tumblr

- Developed custom web forms for media upload functionality both dynamically and statically
- Implemented concise React components and containers to keep code DRY
- Deployed AWS services to improve scalability and reduce server load

[appAttack](#) - JavaScript, Canvas, HTML ([Github](#))

2D browser game inspired by Maplestory

- Implemented HTML5 Canvas for dynamic and fluid sprite animation
- Developed key input trackers with jQuery event listeners for responsive gameplay
- Applied collision detection via box bounding to assist object updates and improve gameplay

[mtaETA](#) - JavaScript, Electron ([Github](#))

MTA Subway scheduling desktop application

- Developed proprietary algorithm to survey incoming trains at all stations with a 1 mile radius
- Tightly formatted and displayed JSON response data via DOM Manipulation

[DOMination](#) - JavaScript ([Github](#))

Lightweight library for DOM manipulation inspired by jQuery

- Applied DOM manipulation, traversal and event handling using Vanilla JavaScript
- Allowed setting and removal of event listeners on DOM elements to aid manipulation
- Implemented AJAX functions using XMLHttpRequest web API.

EXPERIENCE

Hacker in Residence - App Academy

May 2017 - Present

- Conduct live technical screens of coding bootcamp applicants and assess algorithmic aptitude in various languages, including JavaScript, Ruby, Python, and Java

EDUCATION

App Academy

Feb 2017 - May 2017

- Intensive 1000+ hour Full Stack Web Development course, < 3% acceptance rate

University of Massachusetts Amherst

2008 -2014

- Bachelor of Science (B.S.), Psychology; Minor: Information Technology
- Relevant courses: Introduction to Problem Solving with Computers (Java), Programming with Data Structures (Java)