

# JULIE ADAMS

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## SKILLS

React, Redux, Ruby, Rails, JavaScript, Node.js, HTML5, CSS3, SQL, Canvas, jQuery, Git, Webpack, AWS, Express.js, MongoDB, RESTful APIs, Object-Oriented Programming, TDD, ORM, AJAX, AWS, Websockets

## PROJECT EXPERIENCE

"SPACEBALL" (MongoDB, Express.js, React, Node.js, Matter.js, Socket.io)

[live](#) | [github](#)

*Frontend Lead - Original online multiplayer arcade-style sports game in space*

- Employed Matter.js physics library for realistic object movement, collisions, and gameplay controls
- Created original assets and artwork for game pieces and web graphics using Adobe Creative Suite
- Integrated websockets with socket.io for client-server communication enabling multiple users to play together in real-time
- Built custom client-side Canvas renderer to display objects controlled by Matter.js engine on the server

"PURROJECTS" (Ruby on Rails, React, Redux, AWS, PostgreSQL)

[live](#) | [github](#)

*A pixel-perfect full-stack app inspired by Instructables for finding and sharing projects to build for cats*

- Implemented integration with Amazon Web Services enabling users to upload media along with projects and steps
- Integrated Redux to avoid state-related bugs by dispatching actions to fetch, create, update, and delete data
- Controlled AJAX http queries with the ActiveRecord "includes" method to eager load data and prevent N+1 database hits
- Validated users using BCrypt password hashing and salting to avoid storing plain-text passwords in the database

"JS MAGNETIC POETRY" (JavaScript, Node.js, Axios, CSS3, HTML5)

[live](#) | [github](#)

*A completely user-customizable web implementation of Magnetic Poetry refrigerator magnets*

- Integrated a custom Node.js controller to prevent CORS errors when making Axios API queries
- Created extensive user customization interface to dynamically generate word lists based on a query word, and customize the appearance of the word magnets, making use of D3.js to efficiently select and modify groups of HTML elements
- Designed using only CSS3 and HTML5 without any graphics or animation, resulting in a very fast and lightweight application

## PROFESSIONAL EXPERIENCE

**Template Specialist - Minted**

Apr 2018 - Jul 2019

- Utilized Adobe Creative Suite to create stationery product templates and ensure they met Minted's technological standards
- Collaborated with engineering and merchandising teams to build and test new products, developed systems to integrate files with Minted's user customization software to launch Wedding Signs ahead of the launch deadline
- Trained Merchandising Associates on use of Adobe Scene7 media web platform and Amazon S3 cloud storage

**Operations Manager - JP Stationery**

Dec 2016 - Apr 2018

- Managed all day-to-day operations, including sales, proofing, customer correspondence, printing, production, and shipping
- Created original stationery designs with unique styles to reach new demographics and boost overall customer base

**Technical Quality Control Associate, Design Associate Team Lead - Minted**

Oct 2014 - Jul 2016

- Diagnosed, troubleshooted, and reported bugs in products and website, drastically reducing customer support tickets
- Consistently ranked highest on employee metrics for productivity and lowest number of reprints
- Trained and oversaw a team of Seasonal Design Associates during 4th Quarter, Minted's busiest and most profitable season

**Instructional Assistant - Wings Learning Center**

Mar 2009 - May 2014

- Worked with a team of instructors to teach academic, functional, behavioral, and vocational skills to autistic children
- Created individualized curriculum materials, lesson plans, and visual systems tailored to each student's needs and abilities
- Utilized and programmed high-tech communication devices such as PRC Vantage Lite and AAC iPad applications
- Acted as unofficial IT technician for the school, troubleshooting and fixing issues with school computers, servers, and iPads

## EDUCATION

**Software Engineering - App Academy | Fall 2019**

- Rigorous 1000-hour software development course with <3% acceptance rate
- Topics include TDD, scalability, algorithms, OOP, style, REST, security, single-page apps, and web development best practices

**BA Philosophy, Cum Laude - Oberlin College | 2004 - 2008**