Paul Rose

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SKILLS   React / Redux, Javascript, Python, HTML, CSS, Ruby, Node.js, Rails, SQL, AWS S3, Git

PROJECTS

Gramcrackers (React / Redux, Ruby on Rails, PostgreSQL, AWS)   live | github

An Instagram clone that allows users to post and share photos with each other

- Leveraged React Hooks for the feed, search and like features. This allowed me to customize component behavior more efficiently without messy and often redundant lifecycle methods.
- Incorporated AWS S3 and Rails Active Storage for image hosting, which integrates well with Active Record objects. I extracted the URLs with JBuilder, opening access to photos in the frontend.

Ride (React, Mapbox, Express.js, Node.js, MongoDB)   live | github

Ride is a site where motorcycle riders can create rides and view others' routes using Mapbox

- Integrated Mapbox API for ride CRUD features, allowing users to easily map out routes with clicks. We stored polylines in the backend to obviate API calls for the ride show page.
- Incorporated interactive maps on the ride show page, giving the ability to view others' rides more thoroughly. Implemented static images of maps for the main feed, which gives users a glimpse of the route while maintaining performance.
- Secure user authentication using BCrypt and JSON Web Tokens.

Moscow Cows (Javascript, HTML5 canvas, Webpack)   live | github

A game where users must collect sets of Russian nesting dolls while avoiding being trampled by cows

- Built with OOP design principles to make the code DRY, modular and readable.
- Leveraged webpack to compile the files and simplify script tags in the main HTML file.
- Implemented main character sprite sheet animation using window/HTML5 canvas methods and vanilla JS.
- Employed direct DOM manipulation for auxiliary game features, such as music and start/restart buttons.

EXPERIENCE

Hacker in Residence

App Academy - San Francisco, CA   Feb 2020 - Current

- Conduct behavioral and technical interviews in JavaScript, Python and Ruby for prospective students. In this role I serve as the first human face of the company for most applicants, providing a positive first impression and pleasant experience.

English Teacher and Editor

Moscow, Russia   Sept 2015 - June 2019

- Utilized communicative teaching method in private and group English lessons at various Russian tech companies, such as Mail.ru and Game Insight. This approach more rapidly improved oral fluency and boosted students' comfort.
- Provided daily editing services to Game Insight for their English-speaking user base, allowing the company to keep users informed of changes with minimal delay.
- Developed all stages — from daily plans to creating exams — of school and private lessons with ages ranging from 7-16.

Research Assistant

Michigan State Behavior, Information and Technology Lab - East Lansing, MI   May 2012 - June 2015

- I worked in data collection, entry and analysis, as well as assisted in conducting experiments. I was involved in projects concerning online user behavior, algorithmic curation and the "filter bubble" effect.

EDUCATION

Web Development - *App Academy | Fall 2019*
MA Russian - *Middlebury College | 2015 - 2016*
BA International Relations, BA Russian - *Michigan State University | 2011 - 2015*