

Paul Rose

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[PORTFOLIO](#)

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SKILLS

Javascript, Python, Ruby, React / Redux, HTML, CSS, Node.js, Rails, AWS, PostgreSQL, MongoDB, Git

EXPERIENCE

Software Engineer Apprentice

App Academy - San Francisco, CA

Feb 2020 - Current

- Conduct technical interviews for prospective students and evaluate algorithmic aptitude in JavaScript, Python and Ruby.
- Gauge applicants' fitness and alignment with App Academy values in behavioral interviews.

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.

PROJECTS

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 using polylines stored on the backend at ride creation. Implemented static images of maps for main feed, giving users a glimpse of the route while maintaining performance.
- Secure user authentication using BCrypt and JSON Web Tokens.

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.

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 HTML and direct DOM manipulation for auxiliary game features, such as music and start/restart buttons.

EDUCATION

Web Development - App Academy | Fall 2019

MA Russian - Middlebury College | 2015 - 2016

BA International Relations, BA Russian - Michigan State University | 2011 - 2015