Paul Rose

(248) 497-5739   prose0021@gmail.com   **PORTFOLIO**   **GITHUB**   **LINKEDIN**

SKILLS

React, Redux, Javascript, AWS S3, Node.js, Express.js, Ruby, Rails, HTML, CSS, Git, SQL

PROJECTS

Gramcrackers (Rails, React / Redux, PostgreSQL, Amazon Web Services)   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 makes the code more readable by allowing me to use smaller, reusable, customized functions to set state instead of longer repetitive lifecycle methods.
- Incorporated AWS S3 and Rails Active Storage for image hosting. I extracted the URLs with JBuilder, opening access to photos in Redux state.

Ride (Express.js, Node.js, React, MongoDB, Mapbox)   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.

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. Each file holds logic for a specific object in the game. The game and gameview files tie the pieces together.
- 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. This gives the game a more realistic yet old-school feel.
- Employed direct DOM manipulation for auxiliary game features, such as music and start/restart buttons.

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
- Contributed 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. Flexibility allowed me to make an active contribution to a range of areas as needed.
- Screened resumes of new undergraduate lab candidates to narrow the pool and reduce our search period.

EDUCATION

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