OLGA BESSONOVA

Full Stack Software Developer

(734) 546-4106   olga.al.bessonova@gmail.com   **PORTFOLIO**   **GITHUB**   **LINKEDIN**

SKILLS

React, Redux, Ruby, Ruby on Rails, JavaScript, Python, HTML, CSS, SQL, SQLite3, PostgreSQL, R, Mongoose, MongoDB, Node.js, Express.js, Webpack, jQuery, Git, GitHub

EDUCATION

Web Development - *App Academy - 16-week, Software Engineering School*	2023
MS - Applied Statistics - *University of Michigan*	2014 - 2016
MS - Economics - *Moscow Institute of Physics and Technology*	2011 - 2013
BS - Applied Physics and Mathematics - *Moscow Institute of Physics and Technology*	2007 - 2011

PROJECTS

AirBCB - JavaScript, ReactJS, Ruby, Ruby on Rails, - *Pixel-perfect Airbnb clone*   live | github
- Full-stack CRUD application complete with user authentication. Users can sign up, log in, and log out.
- Splash page displays available properties, with search capability, and dynamic listing details.
- Incorporated third-party services such as Google Maps API and AWS S3 with React frontend to create robust and informative property show pages

Bunny Hop - JavaScript, CanvasJs, CSS, HTML - *A side scrolling Vanilla JavaScript 2d game*   live | github
- Users play as a bunny, traversing a level of obstacles. Score increases as you get closer to the finish.
- Designed logic using JS functions to implement collision detection and gravity, enabling dynamic and intuitive gameplay
- The map dynamically updates as the user reaches specific points, increasing score the further you move..

TRIP CLUB - MongoDB, ExpressJS, React, NodeJs (MERN) - *A team-built trip planner application*   live | github
- Acted as front-end lead, responsible for primary design. Built with a team of two additional engineers.
- Users can create, join, and plan trips. The application then dynamically displays the details for the user.
- Application utilized AWS for photo storage, GoogleMaps API, Express, and MongoDB.

EXPERIENCE

DATA SCIENTIST *University of Michigan*   Sep 2017 - May 2019
- Designed and trained statistical multilevel logistic models
- Performed statistical significance tests
- Interpreted and visualized results to be published in specialized literature

DATA ANALYST *Conduent, Inc.*   May 2016 - Sep 2019
- Increased time efficiency 7-fold by developing and implementing automated solutions for data analysis.
- Crafted rules for database check to maintain quality; error rate was decreased by 10%

GRADUATE STUDENT INSTRUCTOR *University of Michigan*   Sep 2014 - May 2016
- Developed a code that grades homework. Sped up grading 3-fold and allowed for more comprehensive problems
- Led seminars for groups of 20 students