

# IVO PAVLOV

(425) 408-2153

[pavlov.ivo@gmail.com](mailto:pavlov.ivo@gmail.com)

[ANGELLIST](#)

[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

## SKILLS

React, Redux, GraphQL, Apollo, Ruby, Rails, Javascript, Docker, NodeJS, Express, MongoDB, HTML, CSS, SQL, Git

## PROJECTS

**Picto-gram** (Ruby / Rails, PostgreSQL, ReactJS, AWS, Docker)

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

*An Instagram clone; users can upload, view, and comment on uploaded pictures*

- Used **model level validations** to require complete input from user on account creation along with useful **error rendering**
- Applied custom routes and **user authentication** on both backend and frontend to prevent unauthorized access to protected routes and site features
- Simulated a demonstration user login using an asynchronous **JavaScript** function
- Utilized **RESTful API** endpoints and **AJAX** requests for user generated content
- Integrated **AWS S3 buckets** for object storage service to allow users to upload and view images on each post

**zBay** (React, NodeJS, MongoDB, Express, GraphQL, Apollo)

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

*A combination of eBay and Zillow; users are able to create auctions and bid on luxury homes*

- Incorporated a **GraphQL API endpoint** with a **React UI** to query and create auction listings and accounts from the frontend
- Leveraged **Cloudinary** for image hosting and display via **axios** request
- Attained dynamic and specialized **search results** by taking advantage of **Apollo** cache
- Brought in **Mapbox API** to detail applicable search results based on location data entered during auction creation

**Yipp** (MongoDB, Express, React / Redux, NodeJS)

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

*A Yelp-inspired app for dog-owners to leave reviews and ratings on user's dogs based on social interactions*

- Initiated a backend framework with **Express** server and **MongoDB** database for information and image storage
- Showcased images in a carousel with a **JavaScript** library, utilizing **Redux actions** to call images to the frontend
- Created a seamless browsing experience with **Redux** while users browse the site

**Jonkey Song** (JavaScript, Canvas, HTML, CSS)

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

*A JavaScript implementation of the arcade classic Donkey Kong*

- Achieved a smooth gaming experience drawing sprites to HTML **Canvas** utilizing frame animation
- Created a light-weight game engine using **object-oriented programming** to achieve physics and collision detection
- Paired **event listeners** for an intuitive control system

## EXPERIENCE

### Production Associate II

Blue Heron Biotech

May 2011 - May 2019

- Improved gene synthesis production process efficiency and reduced human error through data-parsing scripts, and VBA macros in Excel, maintained oligo synthesis and liquid handling robots
- Worked various roles as part of a team throughout the entire production, and quality control, process and trained new employees to produce one mega-base of customized DNA per month

### Teaching Assistant & Tutor

Washington State University

Jan 2008 - Jul 2010

- Tutored students in chemistry, biology, physics, and maths
- Lead multiple classes of 20-25 students on introductory general chemistry for STEM majors

## EDUCATION

**Web Development** - App Academy, 1500+ hour curriculum with < 3% acceptance | Spring 2019

**BS Molecular Genetics and Cell Biotechnology** - Washington State University | 2006 - 2010