IVO PAVLOV

(425) 408-2153   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, React, 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 group effort 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
- Using reusable **React components** created a ubiquitous site experience
- Used **whitebox testing** to ensure functionality and integrity of content

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
- Currently work in progress

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
- 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 mathematics
- 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*