Hanqing Chen

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skills

Ruby, Ruby on Rails, JavaScript, jQuery, React.js, Redux, SQL, Git, HTML5, CSS3

projects

Flipr [live site](http://flipr-app.herokuapp.com/) | [github](https://github.com/hanqingchen15/Flipr)

*Photo sharing website that allows users to curate their own albums and comment on each other’s uploads. Written with   
Ruby on Rails, JavaScript, jQuery, React.js, and Redux*

* Implemented BCrypt for password hashing, and React Router in conjunction with session tokens for restricted pathing   
  to prevent unauthorized access.
* Leveraged React render functions and components to dynamically switch the page’s background based on a user’s location.
* Integrated Amazon S3 cloud storage solution with PostgreSQL database backend using ActiveStorage queries, resulting   
  in a smoother user experience and better application scalability in the future..
* Improved the responsiveness of the main page through CSS3 grids.

JavaScript Pacman  [live site](https://hanqingchen15.github.io/pacman/) | [github](https://github.com/hanqingchen15/pacman)

*A remake of Pacman written in JavaScript and rendered with HTML5 Canvas*

* Used randomized number generator to implement a rudimentary AI that chases after the player character.
* Designed multiple levels using boundary mapping with an array in HTML5 Canvas.

Super Smash Browser [live site](https://chrome.google.com/webstore/detail/supersmashbrowser/bdlmjfkblpjnkienagkgljcodcgjjjml?hl=en) | [github](https://github.com/Battjmo/SuperSmashBrowser)

*A chrome extension that allows the user to selectively hide elements on a webpage. Written in JavaScript.*

* Manipulated JavaScript DOM to select and interact with objects displayed on a webpage
* Created new HTML5 canvas elements on top of said DOM objects to render destruction animations
* Designed and animated custom cursors using Adobe Illustrator

experience

| **Staff Scientist**  *PacGenomics Inc.*  Nov 2015 - June 2018   * Advised and implemented the UI/UX portions of the physicians’ web portal, including designing and testing new features, such as document preview and upload, that streamlined the app’s interface while providing additional functionalities. * Programmed automated liquid handling device with protocols to run experiments, which reduced assay runtimes by up to 50%. Additionally, instructed co-workers on the operation of the liquid handling devices. * Identified and corrected many inefficiencies in our testing pipeline, reducing the turnaround time for rush cases to under 16 hours from over a day previously.   education **App Academy**  (Summer 2018) 1000 hour immersive software development course with focus on full stack web development **University California @ Berkeley** (Graduated: Summer 2015)*BS - Molecular & Cellular Biology, Infectious Diseases Emphasis* |
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