JOE PENA

Denver, CO
(720) 568-0205
joepena@protonmail.com

FULL-STACK WEB DEVELOPER

www.joepena.io
LinkedIn
Github

SKILLS

Languages: Javascript (ES5, ES6, JSX), Python, HTML5, CSS3

Libraries/Frameworks: React.js, React Native, Redux, Redux Thunk, Node.js, Express.js

Others: NPM, Babel, RESTful APIs, AJAX, JSON, MongoDB, Mongoose, Mocha & Chai, PostgreSQL, Knex, Passport, JWT, Travis CI, Heroku, Git, Github, Linux.

RECENT PROJECTS

Buvie: Find new friends to watch movies with.
- Created wireframes for user interface and developed the front end with React and Styled Components, all with responsive design.
- Implemented a matching algorithm in the back end to match users to each other based on location and movie preferences.
- Created a mobile version of the app by using React Native.

Technologies used: React.js, React Native, Styled Components, Node.js, Express, Mongoose, MongoDB, WebSockets, and Google's Geolocation API.

CityMain: App to learn all the capital cities in the world.
- Developed the front end with React and CSS, and used particle-js to make the background alive with movement.
- Implemented a spaced repetition algorithm in the back end to ask questions based on user's strongest and weakest knowledge.

Technologies used: React.js, Node.js, Express, Mongoose, MongoDB, and powered with a spaced repetition algorithm.

MouseAI: An artificially intelligent mouse.
- Created a neural network with thirty hidden nodes by using Python 3.5.
- Used Deep Q Learning methods to have the AI learn from it's actions taken, and improve upon them.

Technologies used: Python 3.5, Pytorch, Tensorflow, and Kivy.

Stud Poker: Plays a simple hand of poker and calculates the value.
- Created a front end with React and CSS, with responsive design in mind.
- Imported and modified NPM libraries in order to be able to create a deck of cards and calculate the value of the hand given to the user.

Technologies used: React, Node.js, Express, Mongoose, and MongoDB.

Pet-Drop: App that shows dogs and cats up for adoption in the USA.
- Developed a front end with React and CSS, with responsive design in mind.
- Used Redux Thunk to create asynchronous fetch requests to the PetFinder API, which then get rendered for the user to see.

Technologies used: React.js, Node.js, Express, and powered using API calls to the petfinder API.

EXPERIENCE

Freelance Developer—   2017-Present
- Build Web Applications based on client specifications.
- Work together with Business and IT teams to develop features based on user stories.
- Develop unit test for components built.
- Follow standard security measures for web applications.

Thinkful, Denver— *Programming Event Instructor*   2018-Present
- Host events and meetups for developers and those with interest in code.
- Events range from HTML, CSS, Javascript, Python, to Computer Science and Data Science Fundamentals

Midtown Occupational Health, Denver— *IT Specialist* 2017-2018
- Managed a wide variety of systems, including a phone line for medical providers.
- Maintain a SQL database with important patient information, staff computers, and a company server.

EDUCATION

Thinkful— *Full-Stack Web Development*   09/2018-12/2018
- Learned industry best practices and software development standards with HTML5, CSS3, JavaScript, jQuery, Node.js, React, Redux, and algorithms & data structures.
- Created and deployed mobile-first applications while collaborating with a senior web developer several hours every week.