MARVIN MA

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SKILLS: React, Redux, Express.js, MongoDB, Node.js, Ruby, Rails, JavaScript, SQL, HTML, CSS, Agile Methodology, GraphQL, web APIs, Debugging, SASS, SCSS, English (Native Proficiency), Mandarin Chinese (Native Proficiency)

EXPERIENCE:

Software Developer

Pixel Canvas Studios   *Oct 2019 – Present*

- Won **DreamlandXR** at **CES 2020's** *"Most Immersive XR Experience"* Award for work on the Asymmetric VR Horror experience, **Reiko's Fragments.**
- Oversaw the upgrade of the mobile application from React 15 to 16. Identified depreciated mixins usage.
- Worked with a partner to refactor all major components of the mobile application into more generic components to allow for more rapid updates.

Medical Assistant

Pathways Healthcare   Apr 2018 – Jun 2019

- Increased productivity by decreasing time spent on uploading diagnostic images through the implementation of a multiple file upload system by ~60%.
- Automated certain repetitive tasks, such as checking insurance eligibility, through the use of a script written in Python. Optimized monthly tasks by 20%.

PROJECTS:

LiftsInNOut   *Ruby on Rails, ReactJS, Postgres, AWS S3*   live | github

A web app inspired by Airbnb, LiftsInNOut is a Rails based project designed to locate local gyms.

- Integrates GoogleMapsAPI with PlacesAPI to implement a custom search function that auto completes locations and addresses.
- Integrates Amazon Cloud Storage to reduce overhead and optimize scaling.
- Managed scheduling and booking through custom transactional database operations using ActiveRecord and PostgreSQL.

Petsy   *MongoDB, ReactJS, Redux, Express, NodeJS, AWS S3, AWS Lambda*   live | github

Small-scale web app designed to connect adoptable pets with potential pet owners

- Created a custom upload function utilizing multer and multerS3 to seamlessly upload images to Amazon S3.
- Utilized Mongoose ORM to map results of database queries onto JavaScript objects to be manipulated and returned to frontend, separating concerns and following MVC best practices.

Whiskr   *MongoDB, ReactJS, Express, Apollo/GraphQL, NodeJS*   live | github

Small-scale web app made by cat lovers to share cat pictures.

- Implemented directional link composition with Apollo Server to authorize the use of multiple terminating links such as HTTPLink and UploadLink together
- Created custom frontend and backend mutation to handle single image uploads to AWS S3 via Apollo Server

Saber Wars *HTML5, CSS3, Vanilla Javascript (WIP)*   live | github

Browser-based game with themes from Kinoko Nasu's Fate/ Franchise, gameplay inspired by Space Invaders

- Developed entirely with JavaScript DOM manipulation and CSS to decrease performance cost.

EDUCATION:

University of California, Riverside
BS Biology, 2012-2016

App Academy
General Assembly, Jun 2019 – Dec 2019