Dave Chan

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

projects

Paradise City   live site | github
Full-stack AirBnB clone using Ruby on Rails, React/Redux and postgreSQL.

- Developed a search bar to decode an address into latitude and longitude coordinates using Google Geocoder API to update the Google Map on search page.
- Integrated Google Maps API to render listings on the page live according to the area the map is showing.
- Created a variety of pages by using JSON JBuilder to shape and send to the frontend.
- Implemented listing reviews and calculated average ratings to render it in every half stars using the React-star-ratings library.

The Knight   live site | github
Retro hard-core action game written in JavaScript and HTML5 canvas.

- Created classes including controllable character, moving enemies and sprite animations following the Object-Oriented Programming principles to provide maintainable DRY code.
- Formulated an algorithm to spawn enemies with random speeds from the two sides of the screen..
- Designed collision detection according to the coordinates and the width of sprites of the character and the enemies for the main game logic.

PiCook   live site | github
Full-stack team project application for searching recipes using Express.js, React/Redux and MongoDB.

- Established RESTful routes for Axios API calls to fetch recipes details from The Meals DB including recipe name, image, ingredients, and instruction.
- Implemented a parsing algorithm to split long recipe instructions string into steps for better visualization.
- Formed recipes details of data fetched from the API request to render on the recipe show page.

experience

Marketing Coordinator
Yunsheng USA Inc. (South San Francisco)   Jun 2018 - Nov 2018
- Aggregated and organized 1000+ clients contact info. Using Excel VBA Macros to easily be accessed in the company database
- Kept 10+ show organizers connected with the company.

Advanced Sales-associate
UNIQLO Ltd. (Hong Kong)   Oct 2016 - Dec 2016
- Organized a group of 3 - 5 staff to perform store operations and archive $50,000+ daily sales revenue.
- Excelled at POS to handle 50+ transactions each working day for each transaction completed under 2 minutes.

education

App Academy   (January 2019)
- Rigorous 1000-hour software development course with <3% acceptance rate, topics include Rails, SQL, JS, React, TDD, algorithms, design patterns, and programming best practices.

The Hang Seng University of Hong Kong   (Sep 2014 - August 2018)
BS - Management Science and Information Management
Specialized courseworks included Object-Oriented Programming, Information System Design and Analysis, Database Management, Project Management, IT Infrastructure and Security etc.