YUNG CAI

Software Engineer

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SKILLS: JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku

PROJECTS:

VacationsAway *Ruby on Rails, ReactJS, Redux, PostgreSQL, Heroku, HTML/CSS*   live | github
A functional full-stack clone of AirBnB where users can book listings and write reviews of their favorite stays
- Utilized Google Maps API to filter location based on listings and user interactions with the map, creating a seamless, dynamic, user experience
- Managed scheduling reservations through custom transactional database operations using Active Record and PostgreSQL, allowing for a smooth and lightweight booking experience
- Implemented CRUD functionality through RESTful routes to allow users to read, create, edit, and delete reviews for listings they've stayed

Somashare *MongoDB, Express.js, React/Redux, Node.js*   live | github
A MERN-stack social media application allowing users to share, discuss, and discover external educational resources
- Implemented React Select library to allow search by topics via keyword or select via dropdown
- Handled user authentication with Express to handle the routing and requests from the front end and response from the server and database
- Led backend development with a team of 4, and collaborated with frontend through use of Axios to create rich features such as search by keyword or category and enhanced user profiles

IcePuck *Javascript, HTML5 Canvas, SCSS*   live | github
A Javascript browser game built with HTML Canvas that mimics an arcade style air hockey table
- Incorporated HTML5 Canvas and pythagorean theorem to create sphere on sphere/sphere on rectangle collision detection, to simulate an air hockey environment
- Used SCSS/Javascript animations to design board, shapes, and create movement in a 2D fashion, leading to realistic arcade-style gameplay
- Carried out AI computer actions through functions that control the rink border, enabling the computer-controlled opponent to automatically hit the puck

EXPERIENCE:

Cook
Speedy Romeo   Aug 2017 - Mar 2020
- Set up workstations and ingredients so that food can be prepared according to recipes
- Measure ingredients and seasonings to be used in cooking
- Comply with nutrition and sanitation guidelines

Rideshare Driver
Lyft/Uber/Juno/Gett   Dec 2016 - Mar 2020
- Work with Microsoft QuickBooks to track mileage use, gas, maintenance, and tolls
- Used smartphones to transport passengers to and from their desired destinations, ensuring great customer experience
- Demonstrated ability to deal peacefully with unforeseen circumstances or delays and use advanced driving techniques to better improve time management and safety

Pharmacy Technician
VitaHealth Pharmacy   Dec 2016 - Mar 2020
- Maintain records by recording and filing physicians' orders and prescriptions
- Organize medications for pharmacists to dispense by reading medication orders and prescriptions, preparing labels, calculating quantities, and assembling intravenous solutions and other pharmaceutical therapies
- Protect patients and employees by adhering to infection-control policies and protocols

EDUCATION:

AppAcademy - *1000-hour immersive full-stack web development intensive with <3% acceptance rate*   2021
StonyBrook University - *BS Biology*   2009 - 2013