Sarah K. Peters

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skills

JavaScript (ES5/ES6), React, Redux, Ruby on Rails, jQuery, SQL, PostgreSQL, MongoDB, Express, Node.js, HTML5, CSS3, HighCharts

Projects

KatChat
Discord live-chat replica, developed using JavaScript, React, Redux, Ruby on Rails, PostgreSQL

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- Harnessed the Ruby Actioncable API by implementing a database Connection Class and Channel class with a streaming/broadcasting function so that users could establish subscriptions to channels, and participate in live-chat.
- Built and organized a variety of React Components, including creation forms, channel-show-lists, and server member lists; creating a DRY, modular and reusable code base.
- Maintained manageable and testable state in each component by utilizing Redux cycle and tools.
- Applied custom created Modal using React and Redux so that users could both easily navigate creation forms and make successful posts to the database.

Ms. Program And Control
Ms. Pacman game built using JavaScript, HTML5/Canvas and CSS

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- Optimized game logic and design by using ES6 Object-Oriented inheritance principles by creating class hierarchies for moving objects.
- Devised a 2-D array bitmap to create and render square Tile instances on HTML5's Canvas element that represented the maze for players to easily navigate.
- Engineered a grid-based movement system to create easily navigable tunnels and smooth direction transitions.

Debugger Defense
Tower Defense style typing game created using JavaScript, React, Express, Node, HTML5/Canvas, MongoDB

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- Customized a Bug-class, including Bug-movement and radial-collision algorithms, to move Bugs toward a target and remove Bugs upon collision with said target.
- Designed sprite animations via sprite sheets which were integrated into HTML5 Canvas along with critter-movement, collision, and frame-counter algorithms.
- Utilized and promoted the use of feature-branches on Git to create clean and streamlined deploys to production.

experience

Quality Assurance Test Lead
Cryptic Studios   Feb 2017 - Oct 2018
- Managed and trained a team of seven functional testers toward best testing practices, including integration and user experience testing, resulting in fewer live-issues, happier users, and increased sales.
- Developed and improved onboarding system for new testers that included providing technical and non-technical resources, daily check-ins, and collaboration with team members.
- Fostered interdepartmental training for team members by facilitating both internships and training courses to create more cohesive production cycles, which resulted in better releases and career advancements.

Quality Assurance Tester
Cryptic Studios   Feb 2016 - Feb 2017
- Executed structured testing schedules under tight deadlines.
- Identified, tracked, created and updated documentation on features and associated defects, improving process efficiency and the end product.

education

App Academy (Spring 2019)
1000 hour immersive software development course with a focus on full stack web development.

University California @ Santa Barbara (Spring 2013)
Bachelor of Science - Zoology and Animal Science