

Vanessa Chen

SKILLS Ruby, Rails, React, Redux, SQL, MongoDB, HTML, CSS/SASS, JavaScript, D3.js, jQuery

PROJECTS

Pick-A-Table (Rails, Ruby, ReactJS, Redux, PostgreSQL) | *Sole Developer*

[live](#) | [github](#)

A restaurant reservation web application, inspired by OpenTable

- Designed RESTful backend server to enable persistent storage and efficient retrieval with CRUD operations
- Implemented client-side search and filtering of restaurant attributes to allow for instantaneous results; optimizing for a smooth UI and minimizing need for API server calls
- Provided for customized user experience by bootstrapping user's login session and user authentication

Phacer (MongoDB, Express.js, Node.js, JavaScript, ReactJS)

[live](#) | [github](#)

A single-player 2-D car racing game

- Built a virtual racing experience using the Phaser game framework, incorporating collision detection algorithm for sprite characters and added keystroke event listeners for controlling of player direction and movement
- Enhanced player experience with a chat functionality using WebSockets to allow for multi-player interaction
- Designed backend using MongoDB and implemented user authentication with Passport.js and BCrypt for password hashing

BasketballViz (Ruby, JavaScript, D3.js, HTML5/CSS) | *Sole Developer*

[live](#) | [github](#)

A dynamic data visualization of basketball statistics

- Used D3.js to create an interactive visual representation of the evolution of the 3-point shot in the NBA
- Utilized SVGs and manipulation of DOM elements to create seamless transition of data points when team and season filters are selected
- Implemented customized tooltips to showcase individual player statistics on hover
- Hand crafted a Ruby web scraper to parse HTML elements to retrieve player statistical data

EXPERIENCE

Senior Project Controller

Deloitte Consulting LLP - Boston, MA

Oct 2013 - Sep 2017

- Led practice's regional growth strategy by identifying gaps in our coverage areas; successfully expanded services across advisory and tax, launched 3 new service offerings and grew portfolio to cover 7 of the region's largest accounts
- Managed the standardization and roll out of our reporting tools and templates, created best practices to implement nationally, designed tests to gather feedback and identified areas of improvements that led to a 10% efficiency gain
- Headed local office talent development, trained and supervised a team of 7 across US and India offices, developed new hire curriculum, facilitated annual firmwide project economics roundtables

Project Controller

Deloitte Consulting LLP - San Francisco, CA

Jan 2012 - Oct 2013

- Customized pricing strategies, managed multi-million-dollar budget and forecast reconciliations
- Utilized multiple data models to track key performance metrics, ensured project milestones were met, reduced and controlled cost by creating checks to catch expenses that exceed set thresholds, successfully maximizing profitability and boosting project margins
- Leveraged data to identify risks, analyzed trends, refined project forecasts and drafted weekly reports to project leadership, providing key insights and strategy recommendations

EDUCATION

App Academy - 2019 - Immersive software development course with focus on full stack web development

University of California, Davis - *BS magna cum laude Managerial Economics, 2011*