

Vanessa Chen

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[LinkedIn](#)

[Github](#)

SKILLS Ruby, Rails, JavaScript, React, Redux, PostgreSQL, MongoDB, Express.js, Node.js, HTML, CSS, 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 of restaurants and reservations
- Prioritized data normalization to work efficiently with CRUD operations by opting for a relational database to reduce data redundancy and improve data integrity
- Implemented client-side search and filtering of restaurant attributes utilizing state changes to allow for instantaneous results, optimizing for a smooth UI and minimizing need for API server calls

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

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

A single-player 2-D car racing game using Phaser game framework

- Incorporated collision detection algorithm for sprite characters to create racetrack canvas and racecar character
- Added keystroke event listeners for controlling of player direction and movement, capturing current player's time in local state
- Designed backend using MongoDB to store user and timer objects; used BCrypt for password hashing
- Implemented user authentication with Passport.js and JWT to store state on client side

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

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

A dynamic and interactive data visualization of the evolution of the NBA 3-point shot using D3.js

- Utilized SVGs to represent a scatter plot and appended different categories of datasets using pre-built D3 functions to create a visual representation of players' statistics
- Attached event handlers to DOM elements to add or remove elements based on user selection, creating a seamless transition of data points between team and season filters
- Implemented own web scraper using the ruby nokogiri gem to parse HTML elements based on class identifiers to retrieve player statistical data and formatting it into appropriate JSON objects

EXPERIENCE

Technical Instructor

App Academy - San Francisco, CA

Apr 2019 - Present

- Host office hours for 70+ incoming students, teach foundational Ruby OOP concepts, mentor students with questions

Senior Consultant

Deloitte Consulting LLP - Boston, MA

Jan 2012 - Sep 2017

- Led Project Controller'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
- Utilized data models to track key performance metrics and customized pricing strategies
- Leveraged data to identify risks, analyzed trends, managed budget and forecast reconciliations 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*