

# Jingna Li

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## Skills

JavaScript, React, Redux, Node, Webpack, Ruby, Ruby on Rails, Express, jQuery, HTML5, CSS3, SQL, PostgreSQL, MongoDB, Git, AWS

## Professional Experience

### Business Intelligence Developer II

Aug 2016 – July 2018

*East West Bank*

- Optimized SQL stored procedures performance consumed by internal web applications API's with concise join logic and appropriate levels of granularity.
- Developed SSRS reports for Microsoft CRM applications with Synonyms to dynamically control the reporting data source.
- Designed Enterprise Data Warehouse using Data Vault methodology to reduce the storage of redundant data by 60%.

### Healthcare SQL Data Analyst

Oct 2015 – Aug 2016

*Desert Oasis Healthcare*

- Created financial applications using Microsoft Access and SQL Server databases to streamline data collection and ensure accuracy of data.
- Automated complex analytical processing of capitation data for financial analysis using SSIS and VBA scripts.
- Collaborated with financial analysts to document technical requirements based on business logic and developed reports in SSRS and Crystal Reports that eliminated manual Excel reports, saving 10 business hours on a weekly basis.

### Data Architect, Research Data Specialist

Mar 2014 – Oct 2015

*Five Acres*

- Integrated Excel, Access and Oracle data sources into Microsoft SQL Server and enabled company-wide self-service reporting through the SQL Server Reporting Server.
- Improved ETL processes with Excel Macros and R Scripts that saved over 10 work hours of manual data processing.
- Created Microsoft Access databases and data entry forms that streamlined the data collection process and reduced data entry and processing time by 50%.

## Projects

### Lifenovel

[Live](#) | [Github](#)

*A pixel perfect Facebook clone built with React/Redux and Ruby on Rails.*

- Implemented a reusable React component nested recursively within itself to allow parent to child comment relationships.
- Enabled search functionality through a custom controller in Ruby on Rails that queries for users via Rails ActiveRecord.
- Abstracted modals with dynamic content and relative positioning by leveraging the Redux global store.

### Portal Royale

[Live](#) | [Github](#)

*A multiplayer shooter game built in the MongoDB, Express, React, Node (MERN) stack and Socket.io.*

- Designed custom-made animated game graphics such as bullets, portals, and explosions with HTML5 Canvas.
- Built resizable game canvas that dynamically updates based on client browser window size.
- Enhanced player experience by implementing a map panning algorithm that re-renders the canvas based on player position.

### Word Graph

[Live](#) | [Github](#)

*A word association data visualization built with d3.*

- Designed interactive graphs that renders word relationships with categorical colors.
- Integrated the ConceptNet API into the backend Express server to ensure same origin policy for retrieving word associations.

## Education

### App Academy

Immersive software development course with focus on full stack web development

### University of California, Berkeley

B.A. Cognitive Science - Computational Modeling

B.A. Psychology