# Ivan Kwong

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## SKILLS

Ruby, Rails, JavaScript, React.js, Redux, PostgreSQL, MongoDB, Express.js Node.js, SQL, D3.js, Git, HTML5, CSS3

## PROJECTS

**Worldflix** - *(PostgreSQL, Ruby on Rails, React.js, Redux.js, Javascript)*    Live Site | Github
*A clone of Netflix with scenic videos from around the world.*

- Formulated an asynchronous algorithm that utilizes setTimeout and React's setState method to generate a typing simulation for demo login
- Designed a smooth horizontal scrolling and hovering effect on images with CSS3 (webkit-scrollbar) and HTML5 for the user to easily browse and play different movies
- Applied a joins table with ActiveRecord and PostgreSQL to allow users to add and remove movies from their list

**Show Me** - (D3.js, Axios, Javascript)    Live Site | Github
*An interactive data visualization for any TV show.*

- Created a sunburst chart with D3.js by calculating the arc and depth for each slice of information
- Built an asynchronous/await function that makes external API calls with Axios by adjusting the query string to include the user's input
- Formatted the JSON data received from API calls in a hierarchical manner (parent & children relationship) for it to be in accordance with the D3 chart

**Workable-Jobs** - (MongoDB, Express.js, React.js, Node.js)    Live Site | Github
*A job searching website that parses resumes and finds applicable jobs.*

- Implemented a resume parser that iterates over the words in the resume and finds matching keywords in our database, which in turn is used for an API call that fetches related jobs
- Constructed a remote file upload with Multer in Node.js on the backend server to temporarily store resumes
- Developed a search functionality that finds jobs based on the user's input of a location by making an API call with the input

## EXPERIENCE

Research Assistant
***Center for the Digital Future at USC Annenberg***,  Jan 2018 - Jun 2018

- Built comprehensive charts in Excel for The Future of Money and Banking Report (April 2018)
- Created infographics for Digitalcenter.org's and University of Southern California's"USCNews" web pages
- Researched and analyzed two separate studies around Fintech disruption within the banking sector as well as social media's impact on ethnic and religious conflict

## EDUCATION

**App Academy** - Immersive software development course with a focus on full stack web development (Spring 2019)
**University California @ Los Angeles** - *BA - Sociology with a Specialization in Computing* (Spring 2018)