

# Isabelle Yiu

Full-stack software engineer with expertise in JavaScript and a background in journalism who's passionate about using technology to make social impact.

## PROFESSIONAL EXPERIENCE

### Software Developer Intern | Indeed.com | San Francisco

6 months Internship with Data Science Platform Team to develop infrastructure and tools to train and deploy machine learning models.  
React | Redux | MongoDB | Java | Spring | Protobuf | Python | AWS

JULY 2019 - CURRENT

- Worked with React and Redux to generate dynamic content for two UI with low latency
- Created and updated endpoint in Java and Spring to API handle request
- Created Index to increase query time in MongoDB
- Implemented unit test with JUnit and Jest to increase test coverage

### Deputy Assignment Editor | Sing Tao Daily | San Francisco

JANUARY 2013 - AUGUST 2018

- As Senior Reporter, wrote in-depth stories on how San Francisco City Hall's policies impact local Chinese immigrant community..
- Delivered 2 - 3 stories averaging 2500 words each day under tight deadline to 100,000 readers.
- Managed a team of 8 reporters to produce daily newspaper content with 50,000 daily circulations.

## PROJECT

### Housing Alert | [housing-alert.herokuapp.com](https://housing-alert.herokuapp.com) | GitHub

Housing alert is a web app and sms-based free service that aims to close the digital divide by making the process of finding affordable housing accessible to people who are not on the internet.

React | PostgreSQL | Node.js | Express.js | Twilio | OAuth | Heroku

- Built responsive user interface using React and Bootstrap
- Developed RESTful API in node.js to handle JSON payload
- Implemented OAuth user authentication system with passport.js
- Integrated Twilio API to build out end to end flow for users to register and subscribe to text message updates.

### Xplainer | [Demo](#)

An award-winning internal hackathon project built by a team of 12 that brings transparency to how machine learning model makes predictions.

- Built UI with React to allow user to upload their model and dataset
- Consumed API and rendered dynamic visualization for Shap value
- Won Engineering Design and Product Award, Best Use of Open Source Projects Award and People's Choice award

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## TECHNICAL SKILLS

**Language:** HTML, CSS, JavaScript, Java

### **Front-end:**

React, Redux, jQuery

### **Backend:**

Node, Express, MongoDB, PostgreSQL, Spring

### **Testing:**

JUnit, Jest, Enzyme

### **Tools:**

Git, bash, GitHub, Heroku, Docker

## AWARDS

### **Indeed Summer Hackathon 2019**

- Engineering Design and Product Award

- Best Use of Open Source Projects Award

- People's Choice

### **2017 NAM California Ethnic Media Merit Award**

- Outstanding Reporting on Gender/LGBTQ Issues

## EDUCATION

### University of California, Berkeley

*B.A. Political Economy*

### Techtonica

*Software Engineering Apprenticeship Program*

Techtonica is a six month intensive full-stack JavaScript web development program with acceptance rate < 9 %.