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.

San Francisco | (510) 731-4004
isabelle.sinhang.yiu@gmail.com
Website: isabelle-yiu.com
GitHub: isabelleyiu
LinkedIn: isabelle-yiu

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 | 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

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 onGender/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 %.