Isabelle Yiu

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

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SOFTWARE ENGINEERING EXPERIENCE

Software Developer Intern | Indeed.com | San Francisco

6 months internship with Data Science Platform team to Develop infrastructure and tools to help data scientists training and deploying machine learning models.

React | Redux | MongoDB | Java | Spring | Python | gRPC | Protobuf | AWS
JULY 2019 - CURRENT

- Enhanced user experience by integrating JIRA ticket metadata for users to track their model builds on React/Redux UI
- Developed RESTful endpoint in Spring to handle Protobuf and JSON API request
- Increased test coverage using JUnit, Jest, and Enzyme

PROJECTS

Housing Alert | housing-alert.herokuapp.com | GitHub

Housing Alert is a web app and a free, SMS-based service that simplifies the affordable housing search for people not on the internet.

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

- Built a responsive user interface using React and Bootstrap
- Developed a RESTful API in Node.js to handle JSON payload
- Implemented a user authentication system with Passport.js
- Integrated a Twilio API to build an end-to-end SMS flow for users to register and subscribe to housing alerts

Xplainer | Demo

Xplainer is an internal hackathon project built by a team of 12 that brings transparency to how machine learning models make predictions.

- Built React UI to allow users to upload their models and data sets
- Consumed Flask API and rendered dynamic visualization for SHAP values
- Won Engineering Design and Product Award, Best Use of Open Source Projects Award, and People's Choice award

PROFESSIONAL EXPERIENCE

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 to 100,000 readers
- Managed a team of 8 reporters to produce daily newspaper content with 50,000 daily circulations

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, Java

Familiar with: Python

Frontend:
React, Redux, jQuery

Backend:
Node, Express, MongoDB, PostgreSQL, Spring

Testing:
JUnit, Jest, Enzyme

Tools:
Git, Bash, GitHub, Heroku

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 %.