

Yifei Fu

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Education

University of California, Los Angeles

B.S. in Computer Science, GPA: 3.74; UPE Honor Society

Los Angeles, CA

Aug 2017 - Dec 2019

Work Experience

TripAdvisor

Software Engineering Intern

El Segundo, CA

Jun 2019 - Aug 2019

- Created personalized navigation links on the home page with 8M daily views; Reduced bounce rate by 2.6%.
- Integrated and A/B tested a new recommendation microservice on product details page.
- Improved Solr schema for product search index and migrated 4.1M documents to enable faceted query.

The B. John Garrick Institute for the Risk Sciences at UCLA

Part-time Software Engineer

Los Angeles, CA

Dec 2018 - Jun 2019

- Created a responsive sidebar and search UI in React for probabilistic risk assessment web applications.
- Developed model quantification and full-text search API in Django.
- Reduced production crashes by 44% by deploying Sentry error tracking.

Skills

Programming Languages:	C++, Go, Java, Python, JavaScript, TypeScript
Frontend Web Development:	HTML, CSS, React, Webpack
Backend Web Development:	Spring, Django, Node.js, Firebase, RabbitMQ
Databases:	SQL, PostgreSQL, Redis, MongoDB, Spark, Solr
DevOps:	AWS, Docker, GCP, Git, Nginx, Kubernetes, Linux

Projects

InQuizitive

TypeScript, React, Node.js, Express, MongoDB

Apr 2019 - Jun 2019

A Progressive Web App for online quizzes and class discussion. <https://github.com/yifei-fu/classroom>

- Led a team of six to rapidly develop a full-stack web app with Scrum.
- Designed a Swagger API documentation for better team coordination.
- Developed a responsive frontend with real-time data and push notifications.
- Deployed the system to AWS EC2 with Docker Compose; Reduced latency by 23% with Nginx load balancing.

Quickey

JavaScript, React, Redux, Firebase

Sept 2018 - Jun 2019

A time-saving Chrome New Tab extension. www.quickey.co

- Introduced Firebase to the existing codebase to build account management and user settings syncing.
- Developed a subscription payment flow with Stripe and React.

Daily-Tracker

Python, Django, PostgreSQL, Elasticsearch, TypeScript, React

Jan 2019 - Present

- Habit tracking and note taking web app.
- Developed a full-stack web app with Django, PostgreSQL, and React.
- Reduced API latency by 34% by integrating Redis for caching.

Awards

TripAdvisor Intern Hackathon 2019

Jul 2019

- Won 2nd place and Audience Choice Award

ACM ICPC Southern California Regional

Nov 2017

- Placed top 13%.