Yao Xiao

Senior Software Engineer

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EXPERIENCE

2017/8 – Current **Senior Software Engineer** Facebook/Meta Inc.

Menlo Park, CA/Sunnyvale, CA/New York, NY

- Helped maintaining a tool similar to Amazon Turk that distributes work for 140,000s of content reviewers all over the world.

- Used ML technologies and GBDT to optimize the matching between reviewers and tasks, resulted in 10% efficiency gain

- Led a team of 3 to rewrite the frontpage for content reviewers including building a data pipeline and showing the key insights of their work

- Improved logic for content duplication leveraging AI/ML to help reduce thousands of hours saved per week on reviewing content

- Built a tool from scratch to let non engineers control settings for content review pipeline, having around 100 employees interacting with the tool every day.

- Created a developer and code generation tool and from scratch to enable engineers creating their own labeling use cases and supported around 50 product launches

- Helped improve stability of system by building a pipeline to analyze system error and fixing fundamental infrastructure flaws, improved the system stability to 99%

- Developed technical roadmap, held design review and revamped an infra that allows taking actions on millions of reported content per day efficiently

- `PHP/Hack / JavaScript/React / Presto(MySQL) / Mercurial / Python / GraphQL / Relay / Redux`

2016/5 – 2016/8 **Software Engineer Intern** Bloomberg L.P.

New York, NY

- Created Apache Spark based rule engine in Scala to support a new product being developed by the team

- Adapted my system to the existing set of APIs' to support billions of data points per day

SKILLS

Hack/PHP

React/Relay/GraphQL/NextJS/NodeJS/JavaScript

Airflow/SQL

Git/Mercurial

Python

Scala

C++

ML

LANGUAGES

English - proficient
Chinese - native
Spanish - rudimentary

SIDE PROJECT

Created an online murder mystery game during covid-wfh time that allowed people enjoying the games virtually. Played 10+ hrs with friends using this tool

EDUCATION

2013 – 2017 **Bachelor of Science in Computer Science with a Minor in Math** Purdue University

West Lafayette, IN
Overall GPA: 3.7/4.0