

# Yao Xiao

Software Engineer



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## EXPERIENCE

2017/8 – Current

### Senior Software Engineer

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

Meta Platforms(fka. Facebook), Inc.

- Helped maintain a tool similar to Amazon Turk that distributes work for **140,000s** of content reviewers all over the world by troubleshooting technical issues and optimizing workflow processes.
- Spearheaded the migration of the job and reviewer matching infrastructure to a more efficient push system and bipartite matching algorithm, resulting in a **10%** improvement in efficiency and reduced workload for content reviewers
- Led a team of engineers to design their own labeling use cases, resulting in improved scalability and flexibility for the platform.
- Led a team to rewrite the frontpage for content reviewers, which included creating a data pipeline and displaying key insights from their work.
- Designed and implemented a user-friendly UI for managing automatic exceptions for a preselected list of content policy violations, resulting in more consistent enforcement of content policies.
- Built a developer and code generating platform that supported 50 product launches and generated **75 million** jobs per week for reviewers.
- Developed a tool that allowed non-engineers to manage settings for the content review pipeline, with approximately **200** employees interacting with the tool on a daily basis.
- Contributed to system stability by constructing a pipeline to analyze system errors and fix fundamental infrastructure flaws; improved system stability to **99%**.
- Demonstrated strong leadership and collaboration skills by creating technical roadmaps, conducting over **100** interviews, mentoring junior colleagues and interns, and ramping up new hires. Conducted thorough incident reviews to prevent recurrence, and successfully resolved more than **10** critical incidents every 6 months.

2016/5 – 2016/8

### Software Engineer Intern

New York, NY

Bloomberg L.P.

- Developed a rule engine in Scala using Apache Spark to support a new product, and integrated it with existing APIs to process billions of data points per day.

## SKILLS

Hack/PHP	
React/Relay/GraphQL/NextJS/NodeJS/JavaScript	
Airflow/SQL	
Git/Mercurial	
Python	
LaTeX	
Haskell	

## LANGUAGES

**English** - proficient  
**Chinese** - native  
**Spanish** - rudimentary

## SIDE PROJECT

Created an online murder mystery game using NodeJS, GraphQL, React, and MongoDB during COVID-19. Played over 20 hours with friends

## EDUCATION

2013 – 2017

### Bachelor of Science in Computer Science with a Minor in Math

West Lafayette, IN

Overall GPA: 3.7/4.0

Purdue University