

Sharon Li (Xuelun)

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🔗 GitHub Profile

🌐 LinkedIn Profile

EDUCATION

- **Columbia University, Fu Foundation School of Engineering and Applied Science** 2017-18
Master of Science in Electrical Engineering / TA of Internet Econ, Eng and Society GPA: 3.8/4
- **Tianjin University (TJU), Qiushi Honors College** 2013-17
Bachelor of Science in Electronic Information Engineering GPA: 3.56/4 Ranked Top 5%
- **University of Hong Kong (HKU), Faculty of Engineering** 2015-16
Exchange Student in Electrical and Electronic Engineering

SKILLS

Languages: Python, C/C++, PHP, Java, SQL, JavaScript, HTML, CSS

Systems: Windows, Linux, Unix

Tools: NodeJS, Django, TCP/IP, Flutter, Spark, Hadoop, Flask, AWS, MongoDB, Google Cloud, Tableau

Soft Skills: PMP certificate

EXPERIENCE

- **Meta Platforms, Inc.** March 2019 - Present
Software Engineer, Intern Manager, Bootcamp Mentor, Interviewer, Event Moderator Menlo Park, CA
MarketPlace Feed Delivery
 - Responsible for blending value model by analyzing business needs, correlations of user behaviors like VPV duration vs CTR, creating features, and integrating with ML models.

IG Growth - Multiple Account, Daily Value, Retention

 - Lead IG Growth notifications on performance, quality and building new campaign /organic campaign notifications.
 - Responsible for IG notification frequency capping service. Created Python APIs for realtime rate limiting services with historical data aggregated by Scribe that applied to all growth notifications.
 - Resolved user facing and large scale issue on subscribed notifications by introducing a high concurrency tool Cannon for efficiency fanout. It improved system reliability and fanout latency from 35 days to within 2 hours.
 - Optimized IG translation generation and reduced its daily job running time by 50% by concurrency.
 - Changed logging in password matching flow for multiple account users, which drove MAU by 4.14M yearly.
 - Mentored two interns by scoping and designing intern projects, providing guidance, and doing calibration. Both of them got return offers, and one got "greatly exceed expectations" rating.

Network Analytics

 - Improved the efficiency of Fbflow by integrating newly released socket local storage to replace 3 LRU maps in C and injecting eBPF iterator to kernel space to traverse the storage map in C++. Deployed the performance-improved WDB (Widely Distributed Binary) to more than 3 million servers in the company.
 - Built 3 long-term data pipelines providing e2e visibility of inter-region traffic, correlation analysis between transport layer metrics and service application metrics, QoS observability for FB whole-fleet network traffic forecasting.
- **Didi Chuxing Technology Co., Ltd.** May 2018 - Aug 2018
Software Engineer Beijing, China
 - Built ML models in Python and integrated with Flask to analyze driver life cycle and transport capacity of regions.
 - Conducted quantitative estimations to optimize driver side pricing strategies, and created revenue forecast report.
 - Created real-time data visualization with Tableau and Hive for performance monitoring.
- **Hewlett-Packard (HP) Software and Technology Center** Aug 2016 - Dec 2016
Software Engineer Intern Henan, China
 - Worked in an Agile team of 9 members and finished 8 software projects by brainstorming user stories, converting ideas into viable tasks, writing unit tests, A/B testing and presenting software performance in review meetings.
- **China UnionPay Data Services Co., Ltd.** May 2016 - Aug 2016
Network Engineer Intern Beijing, China
 - Provided sustainable support for X-platform transactions by managing database of network issues.
 - Conducted statistical analysis on traffic performance, provided evaluation and documentation support on projects.
- **Tianjin University Publicity Department** Oct 2014 - Oct 2017
Web Developer Tianjin, China
 - Developed the first Tianjin University official history website using HTML, CSS, JavaScript with school DB.
 - Designed and developed 120th anniversary version of Tianjin University official website with a 10-member web development team, personalized shortcuts and contents for different users based on their demands and interests.