

Arleen Liu

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EDUCATION

August 2019—May 2023

B.S., Carnegie Mellon University

Pittsburgh, PA

- Major(s): Computer Science, Statistics and Machine Learning
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SKILLS

- Python, Java, C, SQL, C++, Javascript, React, React Native, NodeJS, MongoDB, DynamoDB, Hack, AWS Glue, Apache Spark, Swift, Linux, Machine Learning
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EXPERIENCE

Software Engineer, Meta, New York City, NY

November 2023 - Present

- Supported compliance and stability for Unlink SLA program (privacy commitment to users guaranteeing apps stop sharing data within 15 days of unlinking accounts) by leading some team investigations/better engineering efforts, reduced technical issues from weekly to monthly and less
- Broke down ambiguous project goals and drove XFN collaboration for various Unlink SLA exemption initiatives to ensure compliance (ex. Updating tooling for Integrity exemption carveout, implementing safeguards for Whatsapp Accounts Center launch)

Software Engineer, Atlassian, New York City, NY

July 2023 - November 2023

- Redesigned product identification logic for targeted ad-tracking on atlassian.com to accurately tag potential customers
- Built most menu content in new global navigation bar as part of a new initiative for rapid website migration
- Extended framework for request/parameter-passing through application layers to AWS storage

Software Engineer Intern, Meta, New York City, NY

May 2022 - August 2022

- Added an entirely new feature (full-stack) to enable multiple-workflow comparison on an ML workflow observability tool previously only able to process analytics for one workflow at a time (Frontend: Hack/React, Backend: Python)
 - Contributions involved reworking many aspects of service (often redesigning entire code portions myself) e2e to offer support for analyzing multiple workflow, impact accelerated investigation time for 4+ cases already
- Initiated discussions with customers and provided suggestions in response to their demands for my feature. Reworked my entire project plan with my own proposed alternatives and executed them independently without requiring guidance
- Provided extensive knowledge sharing by writing feature tutorial posts, creating relevant documentation, giving tech talks to other teams to publicize my work, mentoring other interns, and giving advice to newcomers in the team
- Proactively engaged in broader team-level impact outside of my scope by making improvements to the code base for areas unrelated to my work (such as updating a component in a different library to use more efficient tools) and tackling problems for my team outside of my project (such as implementing a filtering system for excess noise in logs)

Software Engineer Intern, Facebook, Menlo Park, CA

May 2021 - August 2021

- Introduced new flexible testing feature (frontend and backend) for security policies guarding data resources. Frontend used Hack and React. Backend used Java.
 - New testing feature impacted several dozens of teams and extended to a few hundred use cases
- Spearheaded design discussion for open aspects requiring careful planning of behavior and interaction
- Produced effective posts and documentation communicating relevant aspects of project for end users and peers
- Proactively sought to improve wiki documentation and code base quality
- Created weekly action plans and agendas for clear communication with team about work progress and effort

Software Engineer Intern, Intuit, Mountain View, CA

May 2020 - August 2020

- Delivered entire cohort identification feature (frontend and backend) as part of Quickbooks price change tool. Frontend uses React and Redux. Backend uses Java and DynamoDB
- Wrote unit tests to increase coverage from 70% to 80%
- Drove initiative to improve thoroughness of existing documentation and write documentation for new features
- Implemented Spark queries for automatic cohort identification of eligible customers for pricing plan change.
- Coordinated intern-wide social event and present to entire intern population at Intern Summit event