Sydney R. Lin

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Education

University of Minnesota, Twin Cities — Minneapolis, MN
BS Computer Science *GPA: 3.77* — Aug 2017 - Dec 2020

Experience

Amazon Web Services (AWS) — Seattle, WA
Software Development Engineer II — Mar 2024 - Present

- Actively developed on a tier-1 internal tool which manages physical and virtual network link data.
- Mitigated a critical data issue on missing link data by implementing an optimized traversal algorithm.
- Quickly onboarded and participated in the weekly on-callrotation to alleviate operational load.
- Contributed to an org-wide deprecation by migrating customer data from RDS to S3.

Qualtrics — Seattle, WA
Software Engineer II — Oct 2022 - Mar 2024

- Contributed to deprecating a legacy dashboarding tool and launching critical React-based features.
- Drove down data deletion KTLO minutes to 0 by seamlessly integrating into a CI/CD pipeline.
- Led a high-visibility project to improve adoption and enhance dashboard navigation across all types of dashboards.
- Championed an initiative to entirely deprecate a service afflicted with significant public information security vulnerability.
- Engineered an operations dashboard during an engineering-wide code yellow, significantly improving response times to automated alerts.
- Participated and presented in organization-wide design and Root Cause Analysis (RCA) reviews.

Qualtrics — Seattle, WA
Software Engineer I — Jan 2021 - Oct 2022

- Spearheaded development of the 'Custom Metrics' feature, enabling users to apply mathematical operations on their survey reports..
- Orchestrated cross-team collaboration, ensuring seamless communication and alignment, to drive the successful launch and approval of critical features.
- Significantly optimized operational efficiency by partially automating a time-consuming data deletion process, reducing it to just 15-30 minutes of weekly maintenance.
- Offered effective mentorship to two engineers, including one intern, empowering them to work independently and achieve self-sufficiency within just one quarter.

University of Minnesota — Minneapolis, MN
Teaching Assistant — Jan 2019 - Jan 2020

- Conducted weekly labs and office hours for CSCI 1933: algorithms and data structures.

Skills

Programming Languages:	TypeScript, JavaScript, Java, C#, Python, Swift, HTML
Web Frameworks:	React, Node, Express, AngularJS
Operational Tooling:	CloudWatch, Docker, Jenkins, Nomad, Splunk, Grafana, Amplitude
Development Tooling:	Lambda, Git, Gitlab, Mocha, Chai, Jest, Artifactory
Databases:	S3, DynamoDB, Athena, RDS, SQL

Projects

Cloud Story Editor *Lambda, DyanmoDB, Webpack*   https://github.com/sydneylin12/server-full-of-flowers
Created a tool for authors to create, edit, read, and distribute their stories.

PR Cam *Swift, Apple Developer*   https://github.com/sydneylin12/PR-Cam
Created a revenue-generating iOS app for simultaneous video recording with music on the App Store.

Activities and Leadership

Personal Trainer — University of Minnesota Recreation and Wellness
Provided personal training services for ten individual clients and led group training sessions for a group of eight participants. — Aug 2019 - Aug 2020