Ryan Lee

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Experience

Software Engineer (Frontend) at Aurora | *San Francisco, CA*   Jan 2023 - Present
- Launched a task orchestration web application that provides project leads with custom task grouping, delegation tools, and high-level metrics for team throughput and efficiency.
- Established an end-to-end failure analysis workflow, integrating event sourcing and analysis tasking with multiple engineering teams to accelerate failure triage.
- Architected and maintained a web-based, extensible visualization platform for LiDAR and camera data, enabling autonomy teams to analyze perception systems while supporting scalable, multi-team development via a plugin/extensions API.
- Revamped the vehicle log platform playback system, transforming a monolithic architecture into a standalone service with lifecycle hooks and a scoped API, improving extensibility, scalability, debuggability, and performance.
- Reduced app startup latency by 6% through lifecycle optimizations such as deferred loading and parallelized resource fetching.

Software Engineer (Mobile) at Snap Inc. | *San Francisco, CA*   July 2021 - Dec 2022
- Designed and pioneered a shared Search UI platform for cross-team utilization.
- Reconstructed Universal Search UI components as a plugin for various search surfaces across the Snapchat app.
- Collaborated with the Sharing team to enable users to search for on-device contacts, leading to a 25% increase in New User Link App Opens.
- Integrated Snapchat+ into Search through launchable Snapchat+ search results and badges.

Software Engineer (Intern) at Apple | *Remote*   Aug 2020 - Dec 2020
- Enhanced company-internal tools, interfaces, and libraries to improve device failure diagnosis.
- Managed web app using Go, React, and GraphQL.

Projects

Ride Mates | https://www.ridemates.org/   May 2025 - July 2025
- Built a real-time rideshare coordination web app utilizing Geolocation APIs to match nearby users headed toward the same destination for cost-sharing.
- Designed an ephemeral chatroom architecture using websockets to facilitate secure and transient communication among matched users for ride logistics.

Yearify | https://yearify.org/   Nov 2024 - Jan 2025
- Developed and launched a full-stack data visualization platform integrating with the Google Calendar API (OAuth 2.0) to categorize and render a user's annual time allocation.

Education

University of California, Berkeley   Aug 2017 - May 2021
- Bachelor of Computer Science | 3.4 GPA

Technical Skills

- Frontend & UI/UX: Typescript, React, MobX, Node.Js, SwiftUI, Jest, Enzyme, Playwright
- Backend & Platforms: Golang, Python, Java, Objective-C, Kotlin, Gorm, Postgres
- Architecture & Tools: Bazel, Git, Jira, Grafana, Mixpanel, Sentry, AB Testing, Copilot