Jerry Wong

Systems Engineering Leader

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Technical Skills

- **Programming Languages:** Swift, Objective-C, Kotlin, Java, Python, PHP, Go, JavaScript, C#, C++
- **Specializations:** Voice Assistants, Applied LLMs, Developer Platforms and Experience, iOS, Android/AOSP, AR/VR, Build Systems

Major Products Shipped

Siri/App Intents Developer Tools and Experience

- Tech lead manager for a total overhaul of Siri's developer experience, resulting in the creation of the new App Intents framework.
- Led a team of approximately 15 engineers over two sub-teams, defining Siri's role in the iOS developer ecosystem.
- Defined product strategy for App Shortcuts and its developer uptake, including extensive integration in Xcode and the Swift compiler.
- Collaborated with cross-functional partners in AR/VR to ship Siri on Apple Vision Pro.
- Featured speaker on App Shortcuts development at WWDC 2023.

Google iOS App, by Google

- Tech lead manager for Google's iOS Search product, with a focus on cross-platform technologies.
- Defined strategy and executed on a product with millions of users, shipped worldwide in dozens of languages, and across a diverse range of user needs.
- Architected and launched massively scalable features informed by in-depth product metrics, generating global-scale revenues.
- Led a team of ICs producing a cutting-edge cross-platform development framework.

Google Maps (iOS and Android), by Google

- Led a team in the full-stack, cross-platform development of UGC-centric restaurant dishes feature.
- Architected both backend and mobile frontends, creating massively scalable backends served from many surfaces.
- Drove the simultaneous multi-platform (web, Android, iOS) development of features being used by millions of people every day.

Compass - Find a Home You Love, by Compass

- Assumed leadership of existing legacy codebase and rebuilt using completely new design.
- Powerful, deep search tools for NYC and Washington, DC real estate.
- Developed internal-only power-users version of the app targeted at real estate agents.

Expedia Bookings, by Mobiata

- Part of team that developed the then-nascent Expedia app, starting with hotel bookings.
- Participated in the design and early implementation of Expedia Flights module.
- Gained experience in custom UIs, graphical optimization, and procedural UI generation.
- Worked closely with in-house API team, developing app simultaneously with backend.

Work & Relevant Experience

Senior Staff Software Engineer   Aug 2024 - Present
Meta. New York, NY, USA

- Leading multiple efforts in Meta Reality Labs Horizon OS system platform.
- Working on exciting products surrounding agentic AIs to help users get things done more easily and quickly.
- Leading the charge to develop a mobile OS with ML integrated deeply at the platform level.

Software Engineering Manager   Jan 2020 - Aug 2024
Apple. New York, NY, USA

- Joined as IC engineer responsible for the initial product definition and execution of the then-nascent App Intents framework.
- Assumed management role due to need, led two teams of approx. 15 engineers guiding both strategy and hands-on technical implementation across App Intents, Siri, and Xcode.
- Demonstrated excellent cross-functional consensus-building ability, owning components throughout the OS, Xcode, and the Swift compiler, across four separate internal organizations.
- Launched App Intents at WWDC 2022. Featured speaker at WWDC 2023 for App Shortcuts.
- Spearheaded the implementation of build-time metadata extraction at Apple, now adopted by multiple additional products.

Software Engineer, TLM   Nov 2015 - Jan 2020
Google. New York, NY, USA

- Tech lead and manager on large-scale features in Google Maps and Google Search, demonstrating full-stack expertise in architecting from backend to frontend.
- Worked deeply in all parts of Google infrastructure from source data pipeline all the way to UX.
- Led groundbreaking effort in seamless multi-platform (Android, iOS, and web) development by designing and leading the implementation of new cutting-edge frameworks.
- iOS Site Lead for Google Search in NYC, growing and leading a team of ICs on a team that spanning five sites around the globe.
- Developed new strategies for evolving Google Search product and platform into the future.

Sr. Mobile Engineer   Nov 2014 - Nov 2015
Compass. New York, NY, USA

- Redesigned and rewrote all-new Compass real estate search app.
- Drove new features in the internal-only real estate agents app, from ideation to release.
- Helped maintain best practices (CI, unit testing, and QA coverage), and maintained quality standards in shipped apps.
- Spearheaded development of completely new, best-in-class mobile app for real-time real estate market intelligence.

Sr. Mobile Engineer → Mobile Lead   Jul 2012 - Sep 2014
HowAboutWe. New York, NY, USA

- Heavily involved in architecture and design of new features, including one rewrite and two completely new apps.
- Invested in reliability through automated testing and continuous integration with KIF, Kiwi, and Frank.
- Took on design and UX challenges, driving rich UX and crafting many user-delight features.
- Engaged in best practices and optimizations, resulting in rich user experiences even on old devices.
- Worked deeply in nearly all corners of the iOS platform (e.g., animations, video, photo editing, networking, multitasking, caching, encryption).

Mobile Software Developer   Jul 2011 - Jul 2012

Mobiata, LLC. San Francisco, CA, USA

- Worked on FlightTrack, FlightBoard, and Expedia Hotels - all ranking top-5 apps in the Travel Category on the App Store.
- Drove rich new features into both Mobiata's flagship apps, demonstrating passion for exceptionally detailed and polished UX.
- Demonstrated initiative, creativity, and drive by constantly championing users and pushing for solid engineering and amazing design.

Software Development Engineer, Amazon Green   Jul 2009 - Jul 2011

Amazon.com. Seattle, WA, USA

- Led short-term skunkworks development team of five people in creating a radically new mobile app concept. Demoed to senior leadership, resulting in the creation of a new project.
- Primary driver, designer, and developer of extensive vendor-facing portal in support of Amazon vendor packaging improvement effort.
- Single-handedly created all software in support of Amazon packaging certification labs, processing hundreds of cases per month.
- Proven breadth of experience - designed, and implemented the entire Amazon packaging certification system in both backend and frontend roles.

Education

Honours Bachelors of Applied Science in Mechatronics Engineering

University of Waterloo. Waterloo, Ontario, Canada