

Jerry Wong

Mobile . Media

Email: jerry@jerrywong.net

Technical Skills Summary

- **Programming Languages:** Objective-C, Swift, Java, Go, C, C++, Perl, JavaScript, PHP, C#
- **Markup Languages:** HTML, CSS, Markdown
- **Dev Tools:** Xcode, IntelliJ, vim, Visual Studio, Eclipse, MPLAB, p4, git, cvs, svn
- **Major APIs/Libs:** Cocoa Touch, Android, OpenGL
- **Databases:** Bigtable, MySQL, PostgreSQL, Oracle
- **OS:** iOS, Android, macOS, Windows, Linux (Ubuntu, Debian, Redhat)
- **Testing:** KIF, Kiwi, XCTest, Frank

Major Apps Shipped



Google - Search made just for mobile, by Google

- Team lead for Google's restaurant search related vertical
- Coordinated effectively between PM, UX, and Engineering to define, design, build, test, and release new restaurant search features
- Achieved high impact with feature that is used by millions every day



Google Maps (iOS and Android), by Google

- Led a team in the full-stack development of restaurant search-related feature
- Architected backend implementation of search features as well as driving mobile development
- Drove the simultaneous multi-platform (web, Android, iOS) development of features being used by millions of people every day



Zagat, by Google

- Rearchitected, redesigned, and completely reimplemented the brand-new Zagat app
- Led the architecture of many backend and frontend systems and worked across the entire stack
- Led the development of multiple third-party partnerships and integrations including concierge reservations



Compass Markets - Real Estate Data in Real-Time, by Compass

- Spearheaded completely new greenfield product through early concepts and prototypes
- Designed new large-scale backend data aggregation backend to fuel real-time mobile reports
- Demonstrated high-quality fit and finish around UX
- Conceptualized and drove implementation for deep inter-app operability and rich report exports



Compass / - Find a Home You Love, by Compass

- Took over existing legacy codebase and rebuilt using completely new design
- Powerful, deep search tools for NYC and Washington DC real estate
- Also worked on internal-only power-users version of the app targeted at real estate agents



You&Me - Messaging for Couples, by HowAboutWe

- Brand new product, involved deeply from day one
- 1-to-1 messaging and sharing platform for people in relationships
- Rich photo and video editing, deep use of hardware accelerated image effects and filters
- Tight integration with Core Data and multitasking - upload/download completion, background fetch, etc
- Procedural, custom UI with highly custom transitions and animations



HowAboutWe Dating, by HowAboutWe

- Instrumentally participated in rewrite of legacy app, stabilizing previously extremely unreliable codebase
- Heavily involved in completely new v2.0 redesign, with highly custom UI and transition effects
- Integrated multi-threaded Core Data cache into app for greatly improved responsiveness
- Participated in the design, architecture, and the implementation of two greenfield features: Date Maps and Speed Date



Expedia Bookings, by Mobiata

- Part of team that developed the then brand-new 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 tightly with in-house API team, developing app simultaneously with backend



FlightBoard, by Mobiata

- FlightBoard is a beautiful mobile version of the arrivals and departures boards in airports
- Honed inter-app communication features for communicating flight information to/from FlightTrack
- Gained considerable experience in implementing an all-custom UI



FlightTrack, by Mobiata

- Led the development effort in iOS5 compatibility update
- Became primary developer on app, implementing new weather map overlay and airport delay feeds
- Assisted in redesign of app to better fit evolving iOS visual style
- First major shipped iOS app at Mobiata

Work & Relevant Experience

Sr. Software Engineer / TL

Nov 2015 - Present

Google. New York, NY, USA

- Tech lead 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.
- Gained expertise in multi-platform development by driving features on web, iOS, and Android.
- Rearchitected and redesigned the all-new Zagat app.

Sr. Mobile Engineer

Nov 2014 - Nov 2015

Compass. New York, NY, USA

- Rewrote the redesigned, 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 shipped remarkably bug-free 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
- Set up 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, optimizations, resulting in rich user experiences on even old devices
- Worked deeply in nearly all corners of the iOS platform: 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 exceptional 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 5 people in creating a radically new mobile app concept. Demo'ed 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, implemented the entire Amazon packaging certification system in both backend and frontend roles

Operations Software Development Intern

May 2008 - Aug 2008

Amazon.com. Seattle, WA, USA

- Participated in complex inventory analysis to determine optimal financial and operational options
- Responsible for numerous new performance metrics - from live web stats to visual design of presentation
- Developed strong skills in large-scale, distributed systems committed to providing low latency and high availability

3D Graphics Developer

Sep 2007 - Dec 2007

Side Effects Software. Toronto, ON, Canada

- Designed, consulted, and implemented large scale usability improvements in Houdini animation software
- Demonstrated organization and versatility, working with a very small team on a cross-platform porting effort, taking on multiple roles

Education

Honours Bachelors of Applied Science degree in Mechatronics Engineering

University of Waterloo. Waterloo, Ontario, Canada