



alanhshieh

Human-Computer Interaction

UI/UX Design

Software Prototyping

Cross-Cultural Communication

hello, i'm alan.

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EDUCATION



Stanford University

Symbolic Systems, B.S., cum laude
Class of 2011

EXPERIENCE



Apple

Senior UI Engineer and Designer

INTERNET TECHNOLOGIES CURRENT

- Designed and prototyped OS X, iOS, and tvOS applications.
- Software development for the Safari web browser and WebKit.
- Assisted in cutting assets and creating specs for Apple software and marketing.



Google

Senior Staff UI Engineer and Design Lead

GOOGLE ATAP + X 2013-2014

- Designed and helped develop Protocoder, a web-based IDE for Android applications and pre-cursor to ATAP's Project Ara.
- Created Android prototypes for Google X relating to Bluetooth audio and wearables.
- Prototyped fitness-related experiences later integrated into Google Fit.

MOTOROLA MOBILITY 2012-2014

- Developed and designed for Motorola Moto X, Moto G, and related devices.
- Prototyped new interaction methods using Google Glass, Arduino, and LeapMotion.
- Lead test engineering effort for Motorola "Context-Aware" experiences.



Snapette

UI/UX Product Manager

DEVELOPMENT 2012

- Developed and designed Snapette's first Android release.
- Created user flows and visual assets for Snapette's iOS, Android, and web applications.

PRODUCT 2011-2012

- Developed Android strategy, helping elevate Snapette to Google Play's "Hall of Fame".
- Lead analytics instrumentation effort and associated information architecture revamp.
- Worked with CEOs to develop pitches for 500 Startups' Demo Days.



Motorola

Senior Software Engineer, UX

DEVELOPMENT 2011-2012

- Android development of mobile devices, including: RAZR, DROID, and XOOM series.
- Subject Matter Expert for Android resource and asset management.

SOCIAL NETWORKING APPLICATIONS 2010 (CO-OP)

- Developed the Phone and Contacts applications for pre-Jellybean Android devices.
- Lead removal of Motorola's MotoBLUR Android skin in favor of a "more vanilla" Android.



Stanford University

Symbolic Systems Program Honors Researcher [2010-2011](#)

- Researched under Dr. Clifford Nass, Thomas M. Storke Professor, Stanford University.
- Studied the user preferences and differences in cognitive models of Japanese mobile phone users in contrast to North American mobile phone users.
- Recipient of departmental honors and published into the Symbolic Systems library.



Harvard University

Scholar of Human-Computer Interaction [2008-2009](#)

- Mentored by Professor Shing-Tung Yau, Chairman of Mathematics, Harvard University.
- Created "House of Cards" music video with Radiohead by developing a 3D geometric data acquisition system.

DEVELOPMENT

- Java, Objective-C, HTML, CSS, Javascript, and Swift
- Mobile device development, with a focus on Android software engineering
- Expertise in building voice-based user interfaces

DESIGN

- Cognitive science and data-driven interaction design
- Visual design and asset generation in Adobe Photoshop and Adobe Illustrator
- Auditory interface design and audio editing
- Animation and prototyping using Adobe Flash and other animation software
- Expertise in cross-cultural behavior/cognition patterns, with a focus on East Asian cultures

LANGUAGES



English (Californian)



French



Chinese (Mandarin)



Korean



Japanese



German



AWARDS

- Named Top Engineering Performer for the Motorola division of Google [2013](#)
- Five-time Motorola Mobility BRAVO award winner for outstanding performance [2010](#) [2011](#) [2011](#) [2012](#) [2012](#)
- "Best of Show" winner of the Google/Motorola Hackathon [2012](#)
- Intel Supercomputing Challenge winner [2007](#)
- Siemens Science Competition winner [2007](#)
- Intel Science Talent Search finalist [2007](#)

MENTIONS

- Selected by Tony Blair, former U.K. Prime Minister, to design for the Tony Blair Interfaith Foundation [2011](#)
- Consulted for the BBC and TechRadar UK on social networking interaction behaviors [2008-2009](#)
- Gesture-based wireless sharing prototype featured by Engadget [2008](#)
- "Meloncard" augmented reality identification card concept featured by DVice [2008](#)
- Directed "From Dust", named best collegiate religious album by the Contemporary A Cappella Society [2012](#)

LEADERSHIP

- Varkey Global Teacher Prize Academy [2015](#)
- Apple Christian Fellowship Leadership Team [2015](#)