Wen-Hao Lue

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My name is **Wen-Hao Lue**, and I'm a Software Engineer with a passion for engineering and design. I really enjoy solving challenging/unique problems and to make product that have positive impact on people.

Summary

- **Mobile** – Deep knowledge in developing **iOS applications** with 9 years of iOS experience. I have created and made large contributions for many apps that can be downloaded in the App Store.
- **Web** – I understand both front and back end design from small websites to large scale deployments. At Twitter, I wrote **real-time map reduce** jobs and **distributed services** in Scala. I designed the back-end and front-end infrastructure at my startup **Sesame** using Python and JavaScript/Node.
- **Design** – Deep emphasis on usability, user experience, and visual design in the products I make.

Work Experience

Sesame HQ, **Founder/CTO**, Toronto/Waterloo, *2014 – present* (sesamehq.com)
- Designed and implemented core iOS app, frontend, and backend microservice architecture.
- Used Swift/Objective-C, React/Flux, Node, Python, Django, PostgreSQL, Redis, Ansible, AWS.
- Managed and mentored an engineering team of 4 and co-op students.
- **Imagine K12/Y Combinator Fall 2015**

Twitter, Software Engineer, San Francisco/Boston, *2013* (twitter.com)
- Shipped Twitter Headlines, contributing on the lambda infrastructure implementation Summingbird.
- Used JavaScript, Scala, Hadoop, Storm, Thrift, Scalding, Summingbird, and Apache Mesos.
- Designed interactive data visualization tools using d3, Backbone, and Rails for Fabric Answers.

Square, iOS Engineer, San Francisco, *2012* (squareup.com)
- Worked on product-facing features for Square Register, a point-of-sale application for the iPad.
- Open sourced PonyDebugger, a remote debugging toolset that allows developers to use Chrome Developer Tools for native iOS applications. (blog post)

Glooko, iOS Engineer, Palo Alto, *2011* (glooko.com)
- Developed an iPhone app that allows diabetics to download blood glucose readings to their iPhone to help manage their diabetes using Objective-C.

Pivotal Labs, iOS Engineer, Toronto, *2010 – 2011*
- Developed an iPhone application that lets users track workouts and record runs using the GPS.

Projects

Mixbox, *2014* (mixbox.io)
- iPad app that lets you make remixes and mashups of songs using pitch detection/beat matching algorithms in a intuitive and fun to use drag-and-drop interface. Won $10k pitch competition.

Mantaphrase, *2012* (mantaphrase.com)
- Wrote an iOS app to help travellers communicate with people in a foreign language.
- Featured on TechCrunch.

Education

Bachelor of Software Engineering, Co-op Program, **University of Waterloo**, *2009 - 2014*