

# Leyan Lo

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## EXPERIENCE

### Highfive

Software Engineer

Redwood City, CA

Apr '13 – Present

- Built the Highfive video conferencing web application, using Angular and WebRTC.
- Built the Mac and Windows desktop applications, using Electron, Sparkle, and Omaha.
- Set up build systems for Chrome extensions and merged multiple git repositories into our main repo.
- Won Hack Week 2017 for building in-app chat, which we shipped to customers shortly after.
- Improved security by implementing a passwordless login system on server and web/Android clients.
- Built responsive email templates, using Litmus and Closure.
- Reduced Windows desktop app launch time from 20+ seconds to 1-3 seconds.
- Built animation and customer branding frameworks, using Angular and CSS.
- Built the layout engine for displaying multiple portrait/landscape videos in various combinations.
- Mentored junior engineers and gave presentations on architecture and best practices.

### Highlight (acquired by Pinterest)

Software Engineer

San Francisco, CA

Jun '12 – Apr '13

- Built Highlight for Android, a proximity-based social networking app.

### Color (acquired by Apple)

Software Engineer

Palo Alto, CA

Apr '11 – Jun '12

- Worked on Color for Android, a photo sharing and live video broadcasting app.
- Implemented scrolling fling and bounce physics for our custom UI framework in OpenGL.

### Stanford University

Research Assistant, Solar Magnetic Fields Group

Stanford, CA

Jan '08 – Jan '11

- Modeled the relationship between solar surface electric currents and magnetic activity by analyzing imaging data from NASA's Solar Dynamics Observatory.
- Discovered indicators of Solar Cycle 24 activity in high latitude toroidal magnetic fields from 2003, 5 years before cycle 24 sunspots appeared in 2008, by analyzing imaging data from the Wilcox Solar Observatory and Michelson Doppler Imager.

### NASA Jet Propulsion Laboratory

Research Assistant, Relativistic Astrophysics Group

Pasadena, CA

Jun '06 – Jul '07

- Detected weak lensing signals from high redshift galaxy clusters by processing and reducing noise from Hubble Advanced Camera for Surveys data.

## EDUCATION

Stanford University, M.S., Physics

Stanford, CA · 2011

California Institute of Technology, B.S. with Honors, Physics

Pasadena, CA · 2007

## SKILLS

### Languages:

JavaScript, HTML, CSS, Java, Python, C/C++, Bash

### Technologies:

Angular, Electron, Gulp, Grunt, Git

## INTERESTS

- Set the world records for solving a Rubik's cube and solving a Rubik's cube blindfolded in 2006.
- Selected as a violinist for the YouTube Symphony Orchestra at the Sydney Opera House in 2011.