

# ZACHARY ALLEN

## EXPERIENCE

### Shogun

Lead Engineer | Jun 2017 - Present

Currently managing four engineers while spending about 70% of my time coding. Responsible for hiring, process workflows and architectural decisions.

Full Stack Engineer | Feb 2017 - Jun 2017

Redesigned and implemented new homepage, core loan application flow, and custom CMS. Used Rails, React, Redux stack hosted on AWS.

### FlyHomes

Lead Engineer | Mar 2016 - Feb 2017

Oversaw hiring of frontend, backend, and mobile engineers. Managed our engineering team located in Noida, India.

First Employee and Engineer | Aug 2015 - Mar 2016

Built real estate platform with Rails as backend, React / Redux on the frontend. Migrated services from Heroku to AWS. Integrated 5 different regional MLS's into our data pipeline using Redis / Resque. Wrote out efficient geospatial querying using postgis and rgeo.

### Avant

Mobile Engineering Intern | Summer 2015

Helped launch Android app developing the user authentication flow and payoff quote. Worked on iOS app implementing custom alerts and popup modals.

### Snapshot

Software Engineering Intern | Summer 2014

Designed and built a Rails app for an internal auditing system. The app improved internal auditing efficiency by over 80%.

## PROJECTS

### BarLift Spring 2015

Built Android app with Parse (RIP) and Facebook integrations to send push notifications about local drink deals to college students. Over half the student body at Northwestern downloaded it within one week of launching.

### Space Junk Summer 2012

Created Android physics puzzle game where users tilt device to collect all "space junk" into a box. Simulated gravity using device's accelerometers. Game has over 10k downloads in the Google Play store.

## ABOUT

Full stack & mobile engineer with interest in entrepreneurship. Experienced in real estate and fintech industries. Currently located in San Francisco.

## EDUCATION

Northwestern University  
McCormick School of  
Engineering  
BS Computer Science '16  
Kapnick Business Award

4 year varsity athlete  
NCAA Division 1 Men's  
Soccer

## PUBLICATIONS

Gaze: Using mobile devices to promote discovery and data collection.  
ACM CHI 2015  
Seoul, South Korea

## SKILLS

React	iOS
Redux	HTML
Rails	CSS
Android	Python

## CONTACT

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