



ZACHARY ALLEN

Mobile & Software Engineer

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 zakallen

EDUCATION



NORTHWESTERN UNIVERSITY

McCormick School of Engineering

BS Computer Science, March 2016

GPA: 3.55/4.00

COURSES



Agile Mobile Development
Artificial Intelligence Programming
Human-Computer Interaction
Natural Language Processing
Machine Learning

SKILLS



Languages:

Java, Python, Ruby, Objective-C

JavaScript, C++, HTML/CSS

Frameworks:

Android, Rails, iOS, React

AWARDS



Kapnick Business Institutions Award
Northwestern University

Academic Research Paper accepted
to ACM's CHI 2015 conference
Seoul, South Korea

ACTIVITIES



NCAA Division I Men's Soccer Team
B1G Ten Champions 2012
Goalkeeper | FALL 2012 - SPRING 2016

FLYHOMES - Co-Founder & CTO | PRESENT

FlyHomes is an online real estate brokerage that streamlines the home buying process providing an end-to-end solution for buyers. Platform is built with Rails as a backend and React as the frontend. Leading team of 3 engineers. FlyHomes has sold 40 homes in the Seattle area and rewards customers' with airline miles.

AVANT - Mobile Engineering Intern | SUMMER 2015

Helped launch Android app developing key features such as User Authentication flow and Payoff Quote. Worked on iOS app developing the interface, custom alerts, and modals. Apps currently have over 10k daily active users.

BARLIFT - Lead Android Developer & CTO | SPRING 2015

Built Android App with Parse and Facebook integration to push spontaneous social drink deals to college students. Launched at Northwestern and had over 2,500 downloads in just one week, which accounted for more than half the undergraduate population. Ended project development two months later as user engagement declined.

FixTheCity - Northwestern Delta Lab | JANUARY 2015

Built an iOS app that allows users to make useful contributions to their environment. Users are prompted with location based questions with contextual help from Google Street View. Conducted a study with 50 users. Research Paper was accepted to CHI 2015.

BOUNCE - Share Links Privately | DECEMBER 2014

Developed Rails app and Chrome Extension for users to send links to selected friends in less than two clicks. App allows users to follow others and comment privately on links shared.

SNAPSHEET - Software Engineering Intern | SUMMER 2014

Designed and built a Rails app for an internal auditing system. Worked directly with executives and auditors. Integrated app into existing codebase to improve internal auditing productivity by 80%.

GAZE - Northwestern Delta Lab | MAY 2014

Built Node app and used Instagram's API to collect Instagram photos based on a user's location. Photos were sent to the user's Google Glass or iPhone to confirm if the image was in their physical space. Conducted study with 20 users and submitted paper to CSCW 2014.

TUKO APPS - Freelance Work | 2014 - PRESENT

Built Tuko Apps website as an umbrella company for freelance work and other projects. Utilized SEO in designing to secure the top spot for the Google query: "freelance mobile developer chicago".

NUX STUDIO - NU Signals Hybrid App | 2013

Developed Hybrid app using Phonegap to aid students in finding better WiFi signals around campus. Implemented gamification aspects to reward students for reporting areas with poor WiFi.

SPACE JUNK - Addicting Physics Puzzler | 2012

Created Android Physics game in which the user tilts the device to move a series of objects into a box. The game uses the device's accelerometers to simulate gravity within the game. Space Junk currently has over 4,000 downloads in the Google Play Store.