Canzhi Ye

canzhiye@gmail.com | canzhiye.com | github.com/canzhiye | twitter.com/canzhiye | medium.com/@canzhi

Education

University of California, Berkeley	*August 2014 - May 2018 (Expected)*

- B.S. Electrical Engineering and Computer Science, Minor History

Experience

Brooklyn Nets (NBA team), Basketball Analytics Associate   *May 2017 - Present*
- Working on (secret) data science projects (a la *Moneyball*) to help the Nets make better decisions both on & off the court.
- Used Jupyter notebook, pandas, scikit-learn, edwardlib, R, SQL, d3.js, ReactJS.

Photon (tryphoton.com), Co-Founder / CTO   *July 2016 - Present*
- Built software for the solar industry, specifically an iOS app to help installers optimize panel location on a roof.
- Developed image processing algorithm (python, OpenCV) to measure shade loss on solar panels.
- Raised money from an accelerator. Acquired paying customers & closed deal with largest US solar distributor. (The Story)

Nextdoor, Software Engineering Intern   *May 2016 - August 2016*
- Worked on Nextdoor for businesses, backend (Django/Postgres) & frontend (Backbone.js).
- Used ElasticSearch to make disparate databases of businesses easily searchable.
- Designed and implemented a suite of internal tools to help monitor the beta launch of business experience on Nextdoor.
- Added 3D touch features to iOS app.

Rise (Later acquired by One Medical), iOS Engineering Intern   *May 2015 - August 2015*
- Worked on core features of Rise iOS app, which provides affordable 1:1 nutrition coaching. Wrote all Swift and lead the migration effort to Swift 2. Refactored hacky infrastructure into more standard iOS practices.
- Built customizable and extendable sharing sheet used throughout app.
- Created new onboarding flow to minimize abandoned cart.
- Worked on a smart like/comment-bot to grow Instagram followers 2x.

One/AfterSchool (afterschoolapp.com), iOS Engineering Intern   *July 2014 - December 2014*
- Built One's new iOS app, After School, an anonymous messaging board for high schoolers.
- Implemented geofencing, designed news feed objects, and worked on custom iOS animations.
- Implemented analytics throughout the app. Nearly 1M signups in first couple months.

Selected Projects

3ball (www.3ball.io)   *December 2016 - Present*
- Instant search to find the video clip for any NBA play.
- Built with React.js/Redux, hosted ElasticSearch, and NBA's (private) API.
- 2.2k followers on Twitter. Over 1M impressions on videos embedded websites including Bleacher Report.

Hermes (canzhiye.com/hermes), Greylock Hackfest 2015
- Winners of $10,000 grand prize.
- Custom iOS keyboard using Apple's new API that improves conversation productivity by surfacing relevant content in the autocorrect bar in any app on your iPhone.

Leadership

Director, Cal Hacks
- I was the logistics director for Cal Hacks 2.0 (Oct 9-11, 2015), which was attended by over 2000 hackers from over 100 schools across the country. I lead a team of 30 students on detailed execution of all aspects of the event. (calhacks.io)

Skills & Awards

KPCB Engineering Fellow 2016.
WWDC Scholarship Recipient 2015.
Cal Alumni Association Leadership Award 2014, 2015.
Have used Swift, Objective-C, Python/Flask/Django, Java, C, Node.js/ReactJS/d3.js. Always comfortable learning new things.