Zhi Pan

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EDUCATION

University of California, Berkeley   *Expected May 2019*
- B.A. Double Major: Computer Science, Statistics.

EXPERIENCE

Bolt (on-demand freight logistics - shipwithbolt.com), Data Science Intern   *May 2018 - August 2018*
- Built automated dispatch system to reduce workload of human dispatchers. The auto-dispatcher now handles 75% of shipments. It learns a driver's preferred routes and predicts which shipment best fits a driver's schedule, allowing us to dispatch shipments hours in advance. It also bundles together shipments that can be freightpooled (like carpooling with passengers) to more efficiently deliver shipments.

Bolt, React Native & Full Stack Engineer   *April 2017 - August 2017*
- Built and architected the carrier app (Uber driver app equivalent for freight truck drivers) for iOS and Android in React Native.
- Built a native module for reliable background location tracking on Android carrier app with robust handling of doze mode and app standby mode using periodic silent push notifications from our server.
- Built a PDF generator microservice for creating dynamic, complex, and beautiful PDF's so customers and drivers can go paperless. All paperwork is now dynamically generated and available electronically.
- Built tracking dashboard for customers to track their shipments and an analytics and location tracking dashboard to manage our freight truckers (frontend React + Redux).

Skurt (rental cars on-demand; Acquired by Fair), React Native & Full Stack Engineer   *May 2016 - March 2017*
- Built and architected the driver app (Uber driver app equivalent for rental car valets) for iOS and Android in React Native.
- Co-led the driver operations team. Built tools and processes to: better recruit drivers, efficiently dispatch deliveries, increase car turnaround, and maintain a healthy ecosystem so our contractor drivers will stay on our platform. Onboarded 500 drivers, reduced average turnaround from 2 hours to 30 minutes, over 10K deliveries and 30K tasks (cleaning/fueling/inspection) completed on driver app.
- Worked on internal car management system (frontend React) for tracking where all our rental cars are and manage turnaround (cleaning/fueling/inspection).
- Built the Skurt Prepaid Card system (Python Flask & PEX Card API) to programmatically authorize purchases at car washes and gas stations for our drivers. Similar to the prepaid card system that Postmate couriers use to pay for food at pickup.

Gradescope (gradescope.com; Acquired by Turnitin), Frontend Developer Intern   *December 2014 - September 2015*
- Built Gradescope's responsive landing page in SLIM, SASS, jQuery.
- Designed, built, and user tested Gradescope's onboarding for its professors (CoffeeScript and jQuery).
- Built a text editor that converts text to online exam questions (think Markdown for writing tests) in HTML, CSS, and jQuery.
- Built the frontend of the grading workflow in SLIM, SASS, CoffeeScript, and Ruby on Rails.

SELECTED PROJECTS

3ball (www.3ball.io)   *December 2016 - Present*
- Google for NBA plays: search for a play and it'll find all clips from the last 2 years (eg. Lebron dunks against Warriors).
- Heavily used by sports journalists, with have over 7 million pageviews, used by websites like Bleacher Report.
- Designed frontend UI in Sketch; built the frontend in React & Redux and backend in Node. The clips were scraped from the NBA's website.

Slack Threads (bit.ly/slackthreads)
- A working prototype of Slack with threaded messages, built from scratch in Ruby on Rails (Slack released their own version of threaded messages a year later). Check out the demo video at **bit.ly/slackthreads** !

ACTIVITIES

Director, Cal Hacks Hackathon
- Organized the country's largest hackathon (2,000 students) in Fall 2015. Worked on sponsorship and made the website.

Co-Founder, Diced
- Cheap subscription meal kits for lazy college students (Free Ventures Spring 2016 batch).

SKILLS

Languages: Python, Javascript, HTML/SLIM, CSS/SASS
Frameworks/Libraries: React Native, React, Redux, Node.js, Flask, Pandas, jQuery