

# Justin Mi

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## Education

**University of California, Berkeley**

*BS, Electrical Engineering and Computer Science (EECS)*

Berkeley, CA

*Grad: May 2020*

## Experience

**Foursquare**

New York City, NY

*Software Engineering Intern*

*May 2019 - Aug 2019*

- Built a detailed data pipeline SLA monitoring service and dashboard for all of engineering's 500+ Mongo and Databricks jobs. The service is currently being used by every single product team within engineering
- Optimized Databricks tasks for all engineering teams, reducing cluster usage by 80%
- Migrated data processing tasks from on-prem frameworks to Databricks and Amazon EMR
- Created Pagerduty integrations for the SLA monitoring service, helped develop on-call processes for teams

**Stripe**

San Francisco, CA

*Software Engineering Intern*

*May 2018 - Aug 2018*

- Converted Stripe's global Instant Payouts infrastructure pipeline to a new financial partner
  - Achieved 99.9% routing reliability for entire \$4B+ annualized global Instant Payouts volume
  - Provided 99.9% uptime and stability for clients like Lyft, Instacart, Postmates, and DoorDash
  - Attained \$1M+ in annualized cost savings (doubling annually) in reduced vendor fees
  - Freed a 1+ year backlog in engineering resources
- Addressed a top ask for Lyft and Instacart by creating more granular Instant Payouts return messages

**CITRIS Institute**

Berkeley, CA

*Software Engineering Intern*

*May 2017 - May 2018*

- Created the CAFE open-source platform for constructing engaging and responsive online surveys to increase policy-making transparency and efficiency (more details in Projects), launched 2 websites using CAFE
- Co-author of 5 papers published in IEEE GHTC 2017 and IEEE TENCON 2017

**Blueprint, Technology for Nonprofits**

Berkeley, CA

*Project Developer*

*November 2017 - Present*

- Created a collaborative questionnaire- and form-processing app using Rails, React, and AWS for Rocky Mountain Institute to reduce client acquisition and vetting time by approximately 10 hours per client
- Reduced energy consumption for client REI in their retail stores by 40%
- Designed and created an offline-first attendance-tracking mobile application for client DREAM in the Dominican Republic to track student progress in underserved communities.

**CS 61B: Data Structures and Algorithms**

Berkeley, CA

*Undergraduate Student Instructor*

*January 2018 - May 2018*

## Projects

**Fullsend**

- Co-founded Fullsend, a company that provides same-day local delivery for small and medium retailers
- Accepted into UC Berkeley's SkyDeck accelerator, invited to interview for Y Combinator's S19 cohort

**CAFE**

*opinion.berkeley.edu/pcari | opinion.berkeley.edu/free-speech*

- Built an open-source survey platform in Django that provides policy-makers insights into constituents' views by allowing survey-takers to submit their own opinions and policy suggestions, and rate others' opinions
- Developed administrative dashboard with data visualization and analytics tools for policymakers
- Created dynamic feedback engine that provides participants' positions on social issues relative to community.

## Skills and Qualifications

**Languages** – Python, Scala, Ruby, Java, C, Go, JavaScript, SQL, Scheme

**Frameworks/Libraries** – React, Rails, jQuery, Node, Django, Express, Databricks