Justin Mi

justin.mi@berkeley.edu · github.com/JustinMi · www.justinmi.me · Mobile: (408) 896 0496

Education

University of California, Berkeley · Berkeley, CA
BS, Electrical Engineering and Computer Science (EECS) · *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 establish 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 finanical partner
  - Attained $1M+ in annualized cost savings (doubling annually) in reduced vendor fees
  - Achieved 99.9% routing reliability for Stripe's entire $4B+ annualized global Instant Payouts volume
  - Provided 99.9% uptime and stability for clients like Lyft, Instacart, Postmates, and DoorDash
  - 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
- Contributed to the development of a collaborative filtering algorithm to determine the novelty of opinions

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*
- Taught discussion sections, led lab sections, and held office hours for 20-25 students weekly

Projects

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

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

Skills and Qualifications

Languages – Python, Scala, Ruby, Java, C, Go, JavaScript, SQL, Scheme
Frameworks/Libraries – React, Rails, jQuery, Node, Django, Express, Databricks