

Justin Mi

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github.com/JustinMi

www.justinmi.me

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Education

University of California, Berkeley

BS, Electrical Engineering and Computer Science (EECS)

Berkeley, CA

Grad: May 2020

Experience

Foursquare

Software Engineering Intern

New York City, NY

May 2019 - Aug 2019

Stripe

Software Engineering Intern

San Francisco, CA

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

Software Engineering Intern

Berkeley, CA

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

Berkeley Institute for Data Science

Project Developer

Berkeley, CA

September 2016 - December 2017

- Developed a semi-supervised machine learning model to identify traits of invasive species
- Built webapp using Django to allow users to use ML model and visualize data: edam.berkeley.edu

Blueprint, Technology for Nonprofits

Project Developer

Berkeley, CA

November 2017 - Present

- Created a collaborative questionnaire and form-processing app using Rails, React, and AWS for client Rocky Mountain Institute to reduce client acquisition and vetting process 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

Undergraduate Student Instructor

Berkeley, CA

January 2018 - May 2018

- Taught discussion sections, led lab sections, and held office hours for 20-25 students weekly
- Managed student lab assistants, gave mini-lectures and reviews, and tested exams

Projects

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.

Dorm Ex Machina

Github: [git.io/vyfyf](https://github.com/vyfyf)

- Created an Arduino system that uses RFID and Bluetooth to check if a user has forgotten their belongings
- Won 1st place in Robotics@Berkeley's 2016 invention competition. Video: bit.ly/2fYhVmH

Skills and Qualifications

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

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