

Alyssa Frazee

San Francisco, CA / (651) 470-3980 / alyssa.frazee@gmail.com / alyssafrazee.com

Experience

DECEMBER 2019 - PRESENT

Deck, San Francisco, CA – *Staff Software Engineer (data & machine learning lead)*

September 2020 - present: Staff Engineer / Technical Lead, data & machine learning engineering

December 2019 - September 2020: Senior Product Engineer

- Extended core person-level targeting product to local and generic Democratic campaigns
- Built and publicized [2020 election forecasts](#) without polling data
- Led full redesign of evidence-backed tool to help campaigns plan who to contact, how to contact them, what media markets to focus on, and what ads to run in order to achieve a vote share goal.
- Built billing integration handling the majority of company cash flow

MARCH 2015 - NOVEMBER 2019

Stripe, San Francisco, CA – *Senior Software Engineer*

August 2018 - November 2019: Senior Security Engineer

September 2017 - August 2018: Senior Machine Learning Engineer

March 2015 - September 2017: Machine Learning Engineer

- Created statistical models and API interfaces for [Radar](#), Stripe's ML-based fraud protection product for businesses. Reduced overall fraudulent chargeback rate by ~25%.
- Did frontend, backend, and experimental design work to ~double adoption of 2FA for the Stripe Dashboard. Built foundation for real-time modeling to predict fraudulent login events.

Education

AUGUST 2010 - FEBRUARY 2015

Johns Hopkins Bloomberg School of Public Health, Baltimore, MD – *PhD, Biostatistics*

SEPTEMBER 2006 - MAY 2010

St. Olaf College, Northfield, MN – *BA, Mathematics (Statistics minor)*

Other Technical Endeavors

MARCH 2018

Expert Witness Training for Gerrymandering Cases, San Francisco, CA

JUNE 2013 - AUGUST 2013

Recurse Center, New York, NY – *Programming Sabbatical*

2013 - PRESENT

[talks](#) / [blog posts and scientific papers](#) / [open source](#)

TECH STACK

Python (Django, scikit-learn, Airflow, Pandas, Matplotlib), JavaScript (React), Ruby (Sinatra), Scala, SQL, R. I delight in learning new languages and technologies.