Alyssa Frazee

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Experience

April 2021 - present

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

December 2019 - March 2021

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

- 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.