

# Jimmy Jin

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<http://yichijin.com>

**SUMMARY** I believe in the power of clean data and simple methods executed well. I enjoy writing clean production code as much as I enjoy data analysis and math. Fluent in SQL, Python, Spark, and Airflow.

**EDUCATION** **PhD, Statistics, 2017**  
University of North Carolina at Chapel Hill  
Thesis: *Inhomogeneous Branching Processes: A Tale of Two Networks*

**BA, Economics (with honors), 2010**  
Swarthmore College

**EXPERIENCE** **Data Scientist, Stripe, San Francisco, CA** 7/2019 - present

- I work on our Payment Optimizations suite, helping users achieve higher acceptance rates through a mix of experimentation and machine learning. Our combined efforts resulted in over 2 billion USD of incremental revenue for our users in 2020.
- My day-to-day is a blend of modeling/analysis, data engineering, and writing some production code.

**Data Engineer, Vote By Mail 2020, San Francisco, CA** 5/2020 - 1/2021

- Managed ingestion and pipelining of voter data using Airflow/S3/Redshift in a large get-out-the-vote email campaign for the 2020 general election.

**Statistician, Optimizely, San Francisco, CA** 11/2017 - 5/2019

- I was in charge of all statistics operations at Optimizely and assumed acting Product Manager duties for the Analytics team in Feb 2019
- Created Epoch Stats Engine, a novel stratification-based estimator for sequential testing designed to eliminate “Simpson’s Paradox” under dynamic traffic allocation. *Blog post*.

**SKILLS** **A lot:** SQL, Python, Spark

**Some production experience:** Ruby, Scala

- SELECTED WRITINGS**
1. J. Jin and L. Pekelis, **Acceleration of A/B/n Testing Under Time-Varying Signals**, presented at *MIT CODE 2018*. [Official blog](#), [Medium blog](#), [Technical writeup](#).
  2. S. Bhamidi, J. Jin and A. Nobel, **Change point detection in Network models: Preferential attachment and long range dependence**, *Annals of Applied Probability*. [Project Euclid](#)

**PERSONAL/ OTHER** **Citizenship:** United States