

Jimmy Jin

gmail with letters replaced by position in alphabet: 25 9 3 8 9 [dot] 10 9 14
<http://yichijin.com>

SUMMARY

I believe in the power of simple methods executed well. And at the end of the day, I'm interested in **understanding** more than anything else. I love probability, Python, and baseball (not necessarily in that order).

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

Optimizely, San Francisco, CA

11/2017- present

Statistician

- In charge of all statistics operations at Optimizely
- Created Epoch Stats Engine, a novel stratification-based estimator for sequential testing designed to eliminate “Simpson’s Paradox” under dynamic traffic allocation. *Blog post.*
- Authored Optimizely’s first-ever Statistics Roadmap, outlining the company’s statistics short- and long-term strategy for statistics R&D

Data Science for Social Good, Chicago, IL

6/2016 - 8/2016

Fellow

- Built a predictive model to identify which hazardous waste generators in New York are at greatest risk of committing violations of the Resource Conservation and Recovery Act. Designed a complete analysis pipeline (in Python and PostgreSQL) from ETL through feature generation, model fitting and error analysis, obtaining 1.87 lift through a random forest model.
- github repo: <http://github.com/dssg/rcra>

Norwegian Centre for Integrated Care and Telemedicine

5/2014 - 8/2014

Visiting Researcher

Tromsø Telemedicine Laboratory

- Collaborated with researchers from the University of Tromsø to develop a reinforcement learning algorithm (in R) for artificial pancreas management of blood glucose level in type 1 diabetics.

SKILLS

Programming (a lot): Python (pandas, scipy, numpy)

Programming (some): Java, Scala, SQL, R

Other: L^AT_EX

**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**, To appear in *Annals of Applied Probability*. [arXiv:1508.02043](#)

**PERSONAL/
OTHER**

Citizenship: United States

Languages: English (native), Mandarin Chinese (native)