

Jonathan Jin

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jjin.info

Education

Columbia University

Independent Graduate Coursework

September 2017 – December 2017

Noteworthy Coursework: Machine Learning

University of Chicago

B.S. Computer Science, B.A. Economics

September 2011 – June 2015

Skills

Languages

Go; Python; C++; Java; Bash; Matlab/Octave; R; C

Technologies

Apache Thrift; Cassandra; MySQL

Experience

Twitter

Member of the [Cortex](#) team, working on machine learning platform and infrastructure.

Machine Learning Software Engineer

08/2018 – Present, New York

Uber

Member of Observability Applications, working on forecasting and anomaly detection for time series metrics.

Software Engineer

07/2016 – 07/2018, New York

- Re-architected time-series metric forecasting pipeline to support concurrent batch backfilling; reduced asymptotic burden on underlying data store by ~90% (see [Publications](#))
- Extended anomaly detection platform to support multiple forecasting models; carried out migration to intercommunicating services with zero downtime and full backwards compatibility (see [Publications](#))

OkCupid

Software Engineer

07/2015 – 07/2016, New York

- Implemented collaborative filtering for user search, increasing users' "like" rate by 10%
- Implemented and carried out large-scale reconciliation/migration of ~10m i18n data points; used Euclidean distance minimization and soundex-based "fuzzy" name matching to reconcile formatting and nomenclatural inconsistencies between disparate datasets

Projects

[derain-net](#)

WIP: A reimplement of the deep-network-based technique for single-image rain-removal developed by Fu, Huang, Ding, Liao, and Paisley ([arXiv:1609.02087v2](#)).

Publications

Uber Engineering Blog

- [Implementing Model-Agnosticism in Uber's Real-Time Anomaly Detection Platform](#)
- [Engineering a Job-based Forecasting Workflow for Observability Anomaly Detection](#)