联系方式

www.linkedin.com/in/qiuyang-yin-18b369159 (LinkedIn)

热门技能

Mathematical Modeling
Data Analysis
Data Mining

Languages

English (Professional Working)
Chinese (Native or Bilingual)

Certifications

Master of Science

Honors-Awards

Chang Tong Scholarship
Jiang Nanxiang Scholarship
China National Scholarship
Qualcomm Scholarship
Qualcomm Scholarship

Qiuyang Yin

Machine Learning Engineer at TikTok
美国 加利福尼亚州 圣克拉拉

个人简介

Data Science @Harvard, Automation & Statistics @Tsinghua.

MLE@Tiktok

工作经历

TikTok
Machine Learning Engineer
2021 年 6 月 - Present (1 年 11 个月)
Mountain View, California, United States

App Monetization user experience group

Harvard University
Graduate Teaching Fellow
2020 年 9 月 - 2021 年 1 月 (5 个月)
Cambridge, Massachusetts, United States

AM207: stochastic methods for data analysis inference and optimization

LinkedIn
Data Scientist Intern
2020 年 6 月 - 2020 年 8 月 (3 个月)
Pittsburgh, PA, United States

At the trust data science team:

• Understood members' semaphore report community by merging and visualizing tables using presto and hive.
• Creatively developed a new metric to estimate fake account prevalence based on flagging reports using modeling.
• Interpreted the metric by performing tests on humans sensed and detected fake accounts.

Tsinghua University
2 年 10 个月

Research Assistant

2017 年 9 月 - 2019 年 6 月 (1 年 10 个月)
Beijing City, China

At Center for Statistical Science, in Prof. Yu, Sheng's Group, dealing with medical informatics. Topics mainly includes electronic medical records processing (mostly Chinese natural language).

• Cleaned and manipulated the Chinese Electronic Health Data using NLP techniques like word2vec and regular expressions.
• Ran the code on 20GB real hospital text data on the remote linux server.
• Optimized the performance of model for 10 times by applying symmetric tridiagonal matrices eigenvalue algorithms.

Research Assistant
2016 年 9 月 - 2019 年 6 月 (2 年 10 个月)
Beijing City, China

At the Institute of System Engineering, in Prof. Xin Pei's lab.
We mainly use traffic big data (either from government or coorperation) to predict or evaluate a driver or a road's safety. Methods include count models and machine learning models.

• Completed bachelor thesis Comprehensive evaluation of road safety based on shared traffic data, which won Outstanding
Bachelor Thesis award.
• Performed data cleaning and visualization, inspected statistical relationship between variables, and did prediction using
several regression models on tremendous traffic data.
• Constructed an interactive online platform which convinced the local government to accept our proposal.

DiDi
Algorithm Engineer Intern, AI labs
2019 年 1 月 - 2019 年 5 月 (5 个月)
Beijing City, China

• Explored the modeling of a road/driver’s safety by combining accidents and emergency events (rapid acceleration, sharp slowdown or a sudden turn). Drafted a paper and abstract accepted by CICTP 2020.
• Assisted the team to interpret the machine learning results by statistical testing and visualization in Python and R, which convinced the product manager to accept our model
• Optimized an NP-hard navigation problem using pratical approximations, which improved the overall time efficiency.

Stanford University
Research Assistant
2018 年 2 月 - 2018 年 9 月 (8 个月)
California, USA

Chinese Undergraduate Visiting Researcher Program (UGVR).
At the Department of Management Science and Engineering (MS&E), in Prof. Chuck Eesley's group.

• Quantitatively tested entrepreneurial strategies and evaluated policies.
• Applied piecewise hazard model and ordered logit to test policy’s effect on the propensity to found a firm, the speed to
raise capital and the probability to run a successful firm.
• Extended DiD to DiDiD model to investigate change of the policy’s effect on different people and in different regions.

https://engineering.stanford.edu/students-academics/programs/global-engineering-programs/chinese-ugvr

教育经历

Harvard University
Master of Science - MS, Data Science · (2019 - 2021)

Tsinghua University
Minor, Statistics · (2016 - 2019)

Tsinghua University
Bachelor of Engineering - BE, Automation · (2015 - 2019)