

Qian Xu

Data Scientist Intern

Boston, MA - Email me on Indeed: [indeed.com/r/Qian-Xu/8f1c510a8a05fcfd](https://www.indeed.com/r/Qian-Xu/8f1c510a8a05fcfd)

Willing to relocate: Anywhere

Sponsorship required to work in the US

WORK EXPERIENCE

Data Scientist Intern

Redphare - Boston, MA - February 2017 to July 2017

Redphare is a startup version of Zillow, building VR tools and rental report generators for Boston rental market.

- Extract, transform and load data with R and PostgreSQL database.
- Visualize data using SAS, Tableau and R (ggplot2, ggmap, leaflet for interactive maps).
- Build an algorithm in R, which could generate a PDF report for any given rental location in Greater Boston area. The algorithm could find competitors for the given apartment, taking the influence of train and bus stations, universities and supermarkets into consideration.
- Cooperate with cross-functional teams including developers, designers and analysts

Statistical Consultant

Boston University - Boston, MA - September 2016 to May 2017

Part of MA675, MA676 Statistical Practicum.

- Work in a 4-member team (with PhD students being team leader) to provide statistical consulting support to 23 departments of Boston University. Complete 8 projects of varied background during 2 semesters of work.
- Select appropriate analysis methods, conduct data cleaning and analysis in R; present results to clients with Microsoft PowerPoint and Excel Pivot charts.

EDUCATION

Master of Science in Statistical Practice

Boston University - Boston, MA

September 2016 to December 2017

Bachelor of Science in Mathematics with Finance

University of Liverpool - Liverpool, Merseyside

September 2014 to June 2016

Bachelor of Science in Mathematics with Finance

Xi'an Jiaotong-Liverpool University - Suzhou

September 2012 to June 2014

SKILLS

Python, R, SAS, Statistics, Machine Learning

GROUPS

Trinity Partners Project: Alzheimer's Patients' Journey

March 2017 to May 2017

- Cooperate with a life science consulting company: Trinity Partners, to study the “Journey” of mild cognitive impairment patients to the diagnosis of Alzheimer’s disease.
- Extract data using SQL, conduct STM (Structural Topic Model) using R, use Python for the Word2vec analysis. The project is based in Linux environment.
- Identify top 10 topics among different patient groups, and correlations between topics. Each topic is a set of diagnosed diseases.

Boston University Student Mental Health Project

September 2016 to November 2016

- Collaborate with BU Student Health Office to assess students’ mental health status and help seeking behaviors.
- Use R to clean and analyze a survey data consisting of 2500 BU students’ responses to 150 mental health related questions. Present cleaned data set with Excel Pivot tables.
- Cluster analysis to find target groups who are in the “help gap”, and give advice for future marketing campaign.
- Use AB test and generalized linear mixed effect models to find the students who are significantly less satisfied with mental health consulting service; along with reasons.