

# YUTING GUO

Data Analytics student seeking Spring 2020 internship



## EDUCATION

2021–  
Current

### Tufts University

MS in Data Analysis

Medford, MA

2019–  
2021

### Northeastern University

MS in Information System

Boston, MA

2015–  
2019

### University of California, Davis

B.S. in Mathematical Analytics and Operations Research

Davis, CA



## RESEARCH EXPERIENCE

2018

### Research Assistant

Tsinghua University

Beijing, China

Gathered the road data by speed detector and carbon paper to analyzed the creasing depth on the carbon paper by Matlab image processing tool box.

2019

### Research Assistant

Institute of Computing Technology Chinese Academy of Sciences

Beijing, China

- Proofread graduate student's research paper, and given suggestions as a professor assistant;
- Do research on cloud computing, and use mathematical analysis to proof the maximal information coefficient after reading research paper "Detecting Novel Associations in Large Data Sets".



## SELECTED PROJECT EXPERIENCE

2021

### DATA-200 Foundations of Data Analytics

Tufts University

Medford, MA

- Deployed a project which predicted High-income household people will not got drug abuse, and would have a better health condition.
- Iterated the model to select the best approach, given neural net, random forest and logistic regression.

2019 –  
2020

### Java:Medical Rescue and Medical Aid Goods Distribution System

Northeastern University

Boston, MA

- Write the program to provide solutions for both natural disasters, and human-made disasters, with 3 enterprises and 8 Organization;
- Use MySQL to set up an external database that can store all the data needed, and connect with the program.



## CONTACT INFO

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## SKILLS

Experienced in running multivariate regression.

Performing **data analysis**, with a focus on engineering models

Experienced in **data communication** and client relations

Wrote production-level **R/Python/Stata/SQL/JAVA**

**Machine Learning** on cloud platforms (AWS)

Last updated on 2021-12-06.

2019 –  
2020

### ● **SQL: Airport Database Design**

Northeastern University

📍 Boston, MA

- Declare the main purpose of the airport database that can solve multiple business problems. Include maintain the data used to provide technical support for airport operations management, offers the customer all kinds of information on flight service, collects and storages airport information;
- Design the ERD of airport database and write Table-level CHECK constraints to check the correct match for route and aircraft when inserting a new a flight with several constraint Rules;
- Add a Computed Column called Total Purchase of a customer in Customer Table, and create a View of Customer Shopping Order Details.



## SELECTED PRESENTATIONS

December  
2021

### ● **DATA-200 Final Project**

Presented a model for Healthcare related to drug control, and summarized main results and assumptions of the model to my cohort.

📍 Medford, MA