

Jiachao (Lucia) FANG

jiachaof@utexas.edu | Austin, TX 78731 | (512) 200-5812 | [LinkedIn](#) | [Portfolio](#) | [GitHub](#)
Actively looking for full-time opportunities in [Data Science](#) | Graduate in May 2019 with 3-year OPT

SKILLS

Data Manipulation, Data Pipeline, Quantitative Methods, Regression Analysis, A/B Testing, Machine Learning

- **Programming:** [SQL](#), [Python](#) (NumPy, Pandas, NLTK, scikit-learn), Java, PHP, C#
- **Database:** [BigQuery](#), MySQL, SQL Server, FireBase (NoSQL), Oracle
- **Software:** [SAS](#), [Tableau](#), [Excel](#), SPSS, Google Analytics, Data Studio

EDUCATION

The University of Texas at Austin

Austin, TX

MSc in Information Science, [Data Science](#) Specialization, GPA:3.88/4.00

08/2017 - 05/2019

[DeepLearning.ai](#), [Deep Learning](#) Specialization

06/2018 - 08/2018

Beijing Forestry University

Beijing, China

BMgt in Management Information System, GPA:3.96/4.00

09/2013 - 07/2017

EXPERIENCE

The University of Texas at Austin

Austin, TX

Data Analytics Graduate Assistant

09/2018 - 01/2019

- Designed a [data warehouse](#) to automate reporting process involving an [ETL process](#)
- Supported decision making by building [statistical models](#) and conducting [hypothesis testing](#)

OnRamps

Austin, TX

Innovation Fellow, Data Science

09/2017 - 08/2018

- Built a student performance [prediction system](#) using [machine learning](#) approaches (Decision Trees & Logistic Regressions)
- Collected, cleaned and maintained survey and research data (50k+ records from 2011-2018) using [Python \(Pandas\)](#)
- Created a district reporting dashboard and reduced the time of report creating process by 90%

Trip Loop, Inc.

Austin, TX

Data Science Intern

06/2018 - 08/2018

- Implemented a [data integration](#) solution to realize [real-time analytics](#) by designing a comprehensive [data pipeline](#)
- Manipulated daily event data by [SQL](#) and exported analytical results to [Data Studio](#) to create a [real-time dashboard](#)

Volkswagen, Audi

Beijing, China

IT Project Management Intern

09/2016 - 06/2017

- Designed a [big data solution](#) (IT infrastructure and implementation model) for data analytics use cases
- Researched and analyzed technologies, and supported to design IT strategy and KPIs
- Analyzed and managed time, scope and cost for digitization and data analytics projects

PROJECTS

INF 385M Database Management

10/2018 - 12/2018

- Cleaned Oscars Award data from 1927 to 1940 using [Python \(Pandas\)](#)
- Designed data structure and built database in [MariaDB](#)
- Built a [dynamic website](#) to search Oscars award winner and nominations by [SQL](#) and [PHP](#)

INF 385T Introduction to Machine Learning

02/2018 - 05/2018

- Collected history 30 Dow Jones Price and news from 2008 to 2018 using [web crawler](#) and [API](#)
- Extracted news features using [sentiment analysis](#) and evaluation metrics using [Python \(NLTK, scikit-learn\)](#)
- Built a [LSTM model](#) using mixed features of stock price and news to predict 30 Dow Jones Price

SDS 385 Applied Regression

03/2018 - 05/2018

- Processed transaction data of over 470k records using [Python \(Pandas, NumPy\)](#)
- Provided recommendations on conversion rate improvement by building [logistic regression](#) model

MIS 381N User Generated Content Analytics

09/2017 - 12/2017

- Collected information of fundraising projects using web crawler
- Extracted text and image features using [evaluation metrics \(TF-IDF\)](#) and Google Vision API respectively
- Built [regression models](#) to predict fundraising results using selected features and improved the predictive accuracy by 13%