XIN LIN

DATA SCIENTIST

CONTACT INFORMATION

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PERSONAL PROFILE

My background is in data analytics. Cleaning up various messy data sets and finding data resources as required is my favorite part, followed by modelling although I can tune a good model. I keep my skills up to date via learning platforms and apply them to my work agilely.

SKILLS

Python
R
SQL
Natural language processing
Machine learning modelling
Data visualization

EDUCATION

Nashville Software School, Nashville, TN (2019-present)
Data Science Bootcamp

University of Technology, Sydney, Australia (2016-2019) - GPA: 3.34/4.0
Master of Information Technology
Major in Data Analytics
- Core Courses:
  - Fundamentals of Data Analytics (Machine learning)
  - Fundamentals of Software Development (O-O programming),
  - Database (SQL)
  - Unix Programming
  - Internet Programming
  - Advanced Data Analytics Algorithms (Deep learning)

DATA SCIENCE EXPERIENCE

Junior data scientist

Nashville Software School, TN (09/2019 - Present)

A nine-month data science program allows students to use the data sets provided by the local organizations to do exploratory data analysis, build machine learning models, and visualize the outcomes using Python, R, and SQL

Group project:
- Optimizing computing performance at Vanderbilt University – to find the repeat offenders doing large scale submissions in a short period of time, which can seriously damage the computing performance
- Analysis of contractor performance in trash collection in Nashville – to find the ones missed trash collection frequently by analyzing the claim data
- Predicting the graduation rates in the high schools across Tennessee by using linear regression and random forest
- Healthcare blue book - to explore how the patients refer to the hospital specialists across the United States
- Alliance Bernstein - to use NLP to extract relevant information from 424B filings which are lack of a common document format

Individual project:
- Exploratory data analysis of the foreign workers in the U.S. – to explore the demographics, the qualifications such as educational levels, and the different attitudes towards them between the recent administrations.
- Find Friends - to use NLP to match similar twitter accounts based on the sentiments on #reopen and the similarities of their time_line, and predict if a tweet will be retweeted using XGBoost and simple deep learning

WORK HISTORY

New Oriental Education & Technology Group Inc.	**2012-2015**
Fuzhou, China	
CHANNEL SUPERVISOR	**2013-2015**
MARKETING SPECIALIST	**2012-2013**

New Oriental is a provider of private educational services in China. The business of New Oriental includes pre-school education, general courses for students of various age levels, and overseas study consulting.

- Leveraged data provided by customer service department to determine the most effective advertising outlets delivering the biggest return
- Used internal data to analyze customer preferences on product offerings
- Managed social media account including the creation of all content for daily posts, and Increased social media following and click through rate by almost 500%
- Created reports analyzing competitors' market behaviors, including how they deliver the media plans and how they implement the marketing activities and presented to senior leadership